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# GERMAN MILITARY SYMBOLS

(U)

REGRADED UNCLASSIFIED ORDER  
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WAR DEPARTMENT, WASHINGTON

DIRECTORATE OF MILITARY INTELLIGENCE  
WAR OFFICE, LONDON

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# GERMAN MILITARY SYMBOLS (u)

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## **F O R E W O R D**

This manual, which is designed primarily for the use of intelligence personnel of U. S. and British armies in the field, is issued under the joint authority of the Assistant Chief of Staff, G-2, War Department General Staff, Washington 25, D. C., and the Director of Military Intelligence, War Office, London, S. W. 1, England.

The present manual supersedes both the U. S. publication entitled *German Military Symbols* (January 1943) and appendix XLVIII of the British publication entitled *Notes on the German Army—War* (December 1940).

Requests for additional copies of this publication should be made through channels. Comments, including corrections of factual detail, should be transmitted promptly and may be addressed directly to the **Dissemination Unit, Military Intelligence Division, War Department, Washington 25, D. C.**

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# INTRODUCTION

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1. The German Armed Forces use military symbols extensively on maps, in tables of organization (war establishments), and on direction and location signposts in combat zones. Military symbols will also be seen on vehicles and equipment, with or without the divisional emblem.

2. The German system of military symbols consists of a number of basic and supplementary symbols, which are combined to indicate various headquarters, units, and equipment.

3. At the beginning of the present war, the Germans used an elaborate system of military symbols for both the Army and the Air Force. Apparently this system was found to be too complicated for use in the field, and two lists of amendments (one dated November 1942 and the other January 1943) were issued with the object of simplifying the basic and supplementary symbols for weapons and equipment of the Army. The method of indicating the calibers, numbers, ranges, and countries of origin of weapons was also altered.

4. Inasmuch as many German charts, maps, and other documents may still employ the old basic symbols, or in some cases a mixture of the old and the new, both the new and the old symbols are shown side by side in columns headed, respectively, "Current" and "Old." Symbols that remain unchanged are not shown in the "Old" column but appear in the "Current" column only. The "Current" column alone is carried in cases of large groups of symbols that were not affected by the revisions. If the new symbol for a unit is at present unknown or cannot readily be derived from the new basic symbols, only the old symbol is given. In Part 1 (Army) a single column headed "New" is carried in a few isolated instances where space prevents the insertion of both the new and old. In Sections I to IV of



Part 2 (Air Force) only the old system of symbols is presented in a single column headed "Old"; in Section V, only the new system of symbols is presented in a single column headed "New." In subsequent sections of Part 2 both the new and the old symbols are shown in columns headed, respectively, "Current" and "Old." Since the naval symbols, so far as is known, have not been revised, in Part 3 (Navy) only a single column headed "Current" is carried.

5. It will be noted that, in some cases, there are alternate military symbols for the same subject. This is in no way a deviation from a consistent pattern, but rather testimony to the logic and flexibility of the German system. A German soldier who does not know the precise tactical symbol may construct one from well-known basic symbols. The resultant symbol may be fully as comprehensible as the official one.

6. In the translation of German terms, an attempt has been made to approximate equivalent terms in the Armies of the United States and Great Britain, respectively. In most instances, however, where the apparent equivalents would be misleading or where no equivalents exist, a literal translation is necessary. In a few other instances where equivalents are lacking or where a literal translation would result in ambiguity or confusion, the original German terminology is preserved. With the exception of the term *Hq*, abbreviations are not employed in the "U.S." column, whereas, according to preference, official British military abbreviations are employed consistently in the "British" column.

7. The symbols are arranged in groups according to logical and structural principles. These groups usually, but not always, coincide with the German classification of units according to arm (*Waffengattung*); important departures from this system of classification are indicated in the text. Mention is also made of various changes in nomenclature and organization, although apparently most of these have not affected the basic structure of the symbols.

8. For the convenience of the reader, blank pages headed "Memoranda" are inserted at the end of each part.

**PART 1**







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**ARMY**

# A. BASIC SYMBOLS AND COMPOSITION OF TACTICAL SYMBOLS

## Section I. Basic Symbols for Headquarters





Headquarters are represented by flag symbols. The shape and marking of the flag denote the size of the command.

Current	Old	German	U. S.	British
		Oberkommando des Heeres.....	High Command of the Army.....	Army GHQ
		Heeresgruppenkommando.....	Hq of an army group.....	HQ army gp
		Armeeoberkommando.....	Hq of an army.....	HQ army
		General(Korps)kommando.....	Corps Hq.....	HQ corps
		Divisionskommando.....	Division Hq.....	HQ div
		Brigadestab.....	Brigade Hq.....	HQ bde










	Regimentsstab.....	Regimental Hq.....	HQ regt
	Bataillonsstab.....	Battalion Hq.....	HQ bn (or bty)
	Führer einer Kompanie.....	Hq (or commander) of a company (or equivalent unit)	HQ (or comd) of coy (sqn or tp)


---







The branches of service of the above headquarters are indicated by the addition of the basic symbol for the respective branch of service. **EXAMPLES:**










	Stab eines Artillerieregiments.....	Hq of an artillery regiment.....	HQ arty regt
	Kommando einer Gebirgsdivision.....	Hq of a mountain division.....	HQ mtn div
 	Stab einer Panzerjägerabteilung.....	Hq of an antitank battalion.....	HQ A tk bn

## Section II. Basic Symbols for Branches of Service (Arms and Services)

Current	Old	German	U. S.	British
		Infanterie.....	Infantry.....	Inf
		Gebirgstruppe.....	Mountain troops.....	Mtn tps
		Kradschützen.....	Motorcycle riflemen.....	MC tps
		Panzer <sup>1</sup> .....	Armored, tank.....	Armd, tk
		Panzerjäger.....	Antitank.....	A tk
	}	Kavallerie und Aufklärungstruppen...	Cavalry and reconnaissance troops...	Cav and recee tps
OR				
		Radfahreinheiten.....	Bicycle units.....	Cyclist units
		Artillerie.....	Artillery.....	Arty

<sup>1</sup>Component parts of panzer divisions are indicated by the following symbol: 
















○	Fla- und Flak-Einheiten .....	Antiaircraft .....	AA
▽	Vermessungstruppe .....	Survey troops .....	Svy tps
	 Nebeltruppe .....	Chemical warfare (smoke) troops .....	Smoke tps
↑	Pioniere .....	Engineers .....	Engrs
	Festungspioniere .....	Fortress engineers .....	Fortress engrs
	Baupioniere .....	Construction engineers .....	Constr engrs
	Eisenbahnpioniere .....	Railway engineers .....	Rly engrs
●	Eisenbahnbetriebstruppe ( <i>formerly</i> Feldeisenbahntruppe)	Railway operating troops .....	Rly operating tps
	} Nachrichtentruppe .....	Signal troops .....	Sigs units
OR		↑	

Current	Old	German	U. S.	British
	}	Eisenbahnnachrichtentruppe.....	Railway signal troops.....	Rly sigs tps
OR				
		Nachschubdienste.....	Supply services.....	Sup services
		Fahrtruppe.....	Transport troops.....	Tpt units
		Sanitätsdienste.....	Medical services.....	Medical services
+				
	}	Veterinärdienste.....	Veterinary services.....	Vet services
OR				
		Verkehrsreglungsdienste.....	Traffic control services.....	TC services
		Feldgendarmerie.....	Military police.....	MP
		Feldpostdienste.....	Army postal services.....	Postal services
				

### Section III. Basic Symbols for Weapons and Equipment

Current	Old	German	U. S.	British
		Maschinengewehr	Machine gun	MG
		Granatwerfer	Mortar	Mortar
		Infanteriegeschütz	Infantry howitzer	Inf gun
		Gebirgs-Infanteriegeschütz	Mountain infantry howitzer	Mtn inf gun
		Flammenwerfer	Flame thrower	Flame-thrower
		Panzerbüchse	Antitank rifle	A tk rifle
		Panzerjägerkanone	Antitank gun	A tk gun
↑ OR 	↑ OR 	} Kanone	Gun	Gun



Current	Old	German	U. S.	British
	 OR 	Haubitze	Howitzer	How
 OR 		Mörser	Heavy high-angle howitzer	Hy high-angle how
		Nebelwerfer	Projector	Smoke mortar/rocket projector
		Nebelgeräte	Chemical warfare (smoke) equipment	Smoke eqpt
		Fliegerabwehrkanone	Antiaircraft gun	AA gun
		Panzerkampfwagen	Tank	Tk
		Sturmgeschütz	Assault gun	Assault gun



Scheinwerfer----- Searchlight----- SL



Ballonsperre----- Balloon barrage----- Balloon barrage



Schützenpanzerwagen----- Half-track personnel carrier----- Armd tp carrier







Volkswagen----- German version of U. S. ¼-ton truck "Volkswagen"  
("Jeep")





Panzerspähwagen----- Scout car----- Armd C


## Section IV. Basic Symbols Denoting Methods of Transport



**1. FULLY MOTORIZED.** Fully motorized (*mot*) headquarters and units, with the exception of panzer units, are indicated by the symbol ○ ○. **EXAMPLES:**


Current	Old	German	U. S.	British
		Kommando einer Panzergrenadier-division	Hq of a motorized infantry division	HQ Pz Gren div
		Grenadierkompanie (mot)	Motorized rifle company	Rifle coy (mot)
		Panzerkompanie	Tank company	Tk sqn



**2. PARTLY MOTORIZED.** Partly motorized (*tmot*) headquarters and units are indicated by the symbol ○ ○. **EXAMPLES:**


	Stab einer Gebirgsdivisionsnachrichtenabteilung (tmot)	Hq of a partly motorized signal battalion of a mountain division	HQ of sigs bn (part mech) in a mtn div
	Nachrichtenkompanie (tmot) einer Infanteriedivision	Partly motorized signal company of an infantry division	Sigs coy (part mech) in an inf div



**3. TOWED (TRACTOR-DRAWN).** Units with towed weapons (*mot Z*) are indicated by the symbol  placed *above* the unit symbol. **EXAMPLE:**


  Infanteriegeschützkompanie (*mot Z*)-- Infantry howitzer company with      Inf gun coy (tractor-drawn)  
towed weapons


**4. SELF-PROPELLED.** Units with weapons on self-propelled mounts (*Sfl* or *Sf*) are indicated by the symbol  placed *below* the unit symbol. **EXAMPLE:**


  Haubitze auf Selbstfahrlafette----- Howitzer on self-propelled mount---- How (SP)

**5. HALF-TRACK (SEMI-TRACKED).** Units mounted on armored half-track vehicles (*gep*) are indicated by the symbol  placed *below* the unit symbol. **EXAMPLE:**


  Panzergrenadierkompanie (*gep*)----- Armored (half-track) rifle company-- Pz Gren coy (armd)

**6. SKI.** Ski units and headquarters of such units are indicated by the symbol  placed *below* the unit symbol. **EXAMPLES:**


 Skibataillon----- Ski battalion----- Ski bn

 Skikompanie----- Ski company----- Ski coy


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**7. SLED (SLEDGE).** Units moving on sleds are indicated by the symbol  placed *below* the unit symbol.

EXAMPLE:

Current	Old	German	U. S.	British
		Panzerjägerkompanie auf Schlitten....	Antitank company on sleds.....	Sledge-drawn A tk coy

---

**8. SLED (SLEDGE) TRAILER.** Vehicles with sled trailers are indicated by the symbol . EXAMPLE:



Panzerkompanie mit Schlittenanhänger. Tank company with sled trailers.... Tk sqn with sledge trailer

---

**9. RAILWAY.** Transportation by railway is indicated by placing the letter E to the *right* of the basic symbol. EXAMPLE:









Eisenbahn-Fliegerabwehrkanone..... Railway antiaircraft gun..... AA gun on rly truck

## Section V. Indication of Units






**1. BATTALIONS.** The method of indicating battalions and equivalent units will be found in the sections treating the individual branches of service (see B, sec. II, p. 41, below).

**2. COMPANIES.** Companies and equivalent units are indicated as follows:




a. Basic Symbol for Branch of Service with Thickened Side. **EXAMPLES:**

Current	Old	German	U. S.	British
		Schützenkompanie.....	Rifle company.....	Rifle coy
		Panzerkompanie.....	Tank company.....	Tk sqn
		Panzerjägerkompanie.....	Antitank company.....	A tk coy
		Nachrichtenkompanie.....	Signal company.....	Sigs coy

b. Square with Thickened Side and Basic Symbol for Branch of Service. **EXAMPLES:**

Current	Old	German	U. S.	British
		Gebirgsjägerkompanie.....	Mountain rifle company.....	Mtn rifle coy
		Pionierkompanie.....	Engineer company.....	Eng coy
		Nachschubkompanie.....	Supply company.....	Sup coy
		Granatwerferkompanie <sup>1</sup> .....	Mortar company.....	Mortar coy





c. Part of Symbol for Weapon or Equipment Thickened. **EXAMPLES:**

		Infanteriegeschützkompanie.....	Infantry howitzer company.....	Inf gun coy
		Panzerspähkompanie.....	Scout car company.....	Armd C coy




<sup>1</sup> The "m" (*mittlerer*) of the current symbol represents a *medium* mortar.

**3. ARTILLERY BATTERIES (TROOPS).** Artillery batteries (troops) are indicated by the weapon symbol with a numeral *below* it indicating the number of weapons in the battery (troop). These units will be further dealt with under "Artillery" (see B, sec. II, par. 7, p. 75, below).

**4. COMPOSITE UNITS.** Should a company consist of several component units, as do headquarters companies and heavy (weapons) companies, then the tactical symbols representing the component units are placed *within* the basic company symbol. For simplification, however, the letters *St* (*Stab*) or *S* (*Schwer*) may be substituted. **EXAMPLES:**

	}	Stabskompanie (mot) eines Grenadierregiments (mot)	Motorized Hq company of a motorized infantry regiment	Hq coy in an inf regt (mot)
OR				
				
	}	schwere Kompanie einer Panzeraufklärungsabteilung	Heavy weapons company of a panzer reconnaissance squadron	Hy coy in an armd recce unit
OR				
				

**5. PLATOONS.** Platoons and their equivalents are indicated by the company symbol, but without the thickened side. **EXAMPLES:**



	Nachrichtenzug.....	Signal platoon.....	Sig pl
 	Panzerzug.....	Tank platoon.....	Tk tp



## Section VI. Supplementary Symbols





Various supplementary symbols are employed for the closer characterization of headquarters and units.

**EXAMPLES:**

Current	Old	German	U. S.	British
		Stab eines Kommandeurs der Nachrichtenaufklärung (mot)	Hq of a commander of motorized signal intelligence troops	HQ of comd of sigs intercept tps (mech)
		Werkstattkompanie.....	Repair-shop company.....	Wksp coy

The supplementary symbols —, ^, and ○ are used in conjunction with basic symbols for weapons to indicate variations in type and caliber.


The symbol — indicates an increase in the caliber of guns. **EXAMPLES:**


			
75-mm antitank gun	88-mm antitank gun	120-mm gun (coastal)	150-mm gun


---

The symbol  $\wedge$  indicates an increase in the caliber of small arms and guns lighter than those above.

EXAMPLES:

  
Machine gun (tripod)<sup>1</sup> (MMG)


  
37-mm antitank gun


  
50-mm antitank gun


---

The symbol  $\circ$  indicates an increase in the caliber of howitzers and heavy high-angle howitzers.

EXAMPLES:

  
150-mm howitzer

  
210-mm heavy high-angle  
howitzer

  
305-mm heavy high-angle  
howitzer


---

Variations in types of artillery pieces as well as increases in caliber are indicated by an additional  $\wedge$  to the head or the tail of the arrow.



<sup>1</sup> The German terms *leichtes Maschinengewehr* and *schweres Maschinengewehr*, generally known as "light machine gun" (British "LMG") and "heavy machine gun" (British "MMG"), are referred to throughout in the U. S. column as "machine gun (bipod)" and "machine gun (tripod)."

## Section VII. Abbreviations Used with Basic and Tactical Symbols

The letters *F*, *Gr*, *Ls*, *Sich*, *St*, *Str*, *T*, and *Wa*, indicating special employment (see the list of abbreviations below), are placed to the *left* of the tactical symbol. **EXAMPLE:**


Current	Old	German	U. S.	British
		Festungs-Pionier-Stab	Hq of a fortress engineer regiment	HQ fortress engr regt


Other supplementary letters denote the character and subordination of units. These appear always on the *right* of the tactical symbol. **EXAMPLES:**


	Stab einer Armeenachrichtenabteilung (mot)	Hq of a motorized signal battalion of an army	HQ army sigs bn (mech)
	Eisenbahnbatterie 17 cm Kanonen	Battery of 170-mm railway guns	17-cm rly gun tp

The supplementary letters may, exceptionally, be placed *above*, *below*, or *within* the tactical symbol.

EXAMPLES:

 Lichtmessbatterie (mot) ----- Motorized flash-ranging battery ----- F sp tp (mech)

 Zug (Lastkraftwagen mit Anhänger) Truck and trailer platoon of a motor Lorry and trailer pl of a MT  
einer Kraftwagentransportkompanie vehicle transport company (pri- coy  
marily troop-carrying)

 Brückenkolonne (mot) B-Gerät ----- Motorized bridge column with Br coln (mech) equipped with  
bridging equipment B br eqpt B

Comprehensive lists of German abbreviations will be found in the U. S. "German Military Abbreviations," *Special Series*, No. 12 (12 April 1943), and in the British *Vocabulary of German Military Terms and Abbreviations (Revised to 1942)* (April 1943). German words in the list below are given in the nominative singular. Although many of them are actually used in their combining form (e. g., *Betriebs-*, *Festungs-*, etc.), it has been thought desirable to cite only the basic form of these words.

German		U. S.	British
Abbreviation	Meaning		
A or a	Abteilung	Battalion	Battalion, battery, unit
A	Armee	Army	Army
A	Artillerie	Artillery	Artillery
A	Aufklärung	Reconnaissance	Reconnaissance
A	Ausgabe	Distribution	Distribution
A	Auslade	Detrucking, detraining	Unloading, detraining
A	Aussenstelle	Branch station	Outstation, branch depot or office
ABA	Armeebekleidungsamt	Quartermaster clothing office	Army clothing office
ABL	Armeebekleidungs-lager	Quartermaster clothing depot	Army clothing depot
Ah	Anhänger	Trailer	Trailer
Al	Alarm (Flak)	Emergency (antiaircraft guns)	Emergency (AA guns)
Ausl.K.	Ausladekommissar	Detrucking (or detraining) inspector	Unloading or detraining office
AVA	Armeeverpflegungsamt	Army ration office	Army rations office
AVL	Armeeverpflegungslager	Army ration depot	Army rations depot
B	Bau	Construction	Construction
B	Bergbau	Mining	Mining
B	Brückengerät B	Bridging equipment B	Bridging equipment B
b	belgisch	Belgian (equipment)	Belgian (equipment)
Bb	Beobachtung	Observation	Observation, survey (arty)
Betr	Betrieb	Operation	Operating, traffic
Betr. St.	Betriebsstoff	Motor fuel	Liquid fuel, POL

Bez.-----	Bezirk-----	District-----	District
B.G.O.-----	Beauftragter Generalstabs- offizier	General Staff officer in charge--	GSO in charge
Bhf.-----	Bahnhof-----	Railway station-----	Railway station
B.Inst.-----	Bekleidungsinstandsetzung	Clothing repair-----	Clothing repair
Br-----	Brücke (n)-----	Bridge-----	Bridge
B <sup>T</sup> -----	Bergbau Tagebau-----	Open-pit mining-----	Open cast mining
B <sub>r</sub> -----	Bergbau Tiefbau-----	Subterranean mining-----	Subterranean mining
Bv.T.O.-----	Bevollmächtigter Transport- offizier	Transportation officer in charge	Responsible transportation officer
C-----	Brückengerät C-----	Bridging equipment C-----	Bridging equipment C
D-----	Direktion-----	Supervisory staff-----	Directorate
D-----	Division-----	Division-----	Division
D-----	Dolmetscher-----	Interpreter-----	Interpreter
D-----	Brückengerät D-----	Bridging equipment D-----	Bridging equipment D
Dulag-----	Durchgangslager-----	Prisoner of war transit camp--	PW transit camp
DVA-----	Divisionsverpflegungsamt-----	Division ration office-----	Divisional rations office
E-----	Eisenbahn-----	Railway-----	Railway
E-----	Elektrizität-----	Electricity-----	Electricity
e-----	englisch-----	English (equipment)-----	British (equipment)
Eg-----	Entgiftung-----	Decontamination-----	Decontamination
E.Kch.-----	Eisenbahnküchenwagen-----	Railway kitchen car-----	Railway kitchen car
Erk-----	Erkundung-----	Scouting, reconnaissance-----	Reconnaissance
Ers-----	Ersatz, Ersatzteil-----	Replacement, spare part-----	Replacement, spare part
Eseu-----	Entseuchung-----	Disinfection-----	Disinfection
EVM-----	Ersatzverpflegungsmagazin-----	Reserve ration depot-----	Base rations store
F-----	Fahrtruppe-----	Transport troops-----	Transport arm
F-----	Fernsprechverbindung-----	Telephone line-----	Telephone line
F-----	Festung-----	Fortress-----	Fortress
i-----	französisch-----	French (equipment)-----	French (equipment)
Feld-----	Feld-----	Field-----	Field
FK-----	Feldkommandantur-----	Military Hq in occupied terri- tory (brigade status)	Subordinate military Hq in occupied territory
F. Sd. Abt.-----	Feldsonderabteilung-----	Field penal battalion-----	Field penal battalion

**German**

<b>Abbreviation</b>	<b>Meaning</b>	<b>U. S.</b>	<b>British</b>
Fü.....	Führung.....	Operations (unit under control of the High Command of the Army)	Operations (staff, group, etc.)
F.W.....	Feldwache.....	Picket.....	Picket
F.W.....	Feldwasser.....	Field water (supply company, etc.)	Field water (supply coy, etc.)
Fz.....	Feldzeug.....	Ordnance.....	Ordnance
G.....	Gas.....	Gas.....	Gas
G.....	Gasse.....	Street, road, opening (through barbed wire, etc.)	Street, lane, opening (through barbed wire, etc.)
G.....	gemischt.....	Mixed.....	Mixed
G.....	Gift.....	Poison.....	Poison
g.....	griechisch.....	Greek (equipment).....	Greek (equipment)
Gef.....	Gefecht.....	Combat.....	Battle
Gep.....	Gepäck.....	Baggage.....	Baggage
(gep).....	gepanzert.....	Armored (mounted on half-track personnel carrier)	Armored
Ger.....	Gerät.....	Equipment.....	Equipment, technical stores
G.F.P.....	Geheime Feldpolizei.....	Secret field police.....	Secret field police
Gl.K.....	Gleiskette.....	Track (tank, etc.).....	Track (caterpillar)
Gr.....	Grenzschutz.....	Frontier guard.....	Frontier guard
GW.....	Gas Wasser.....	Gas and water.....	Gas and water
H.....	Heer.....	Army.....	Army
H.....	Herbertgerät.....	Herbert bridging equipment.....	Herbert bridging equipment
h.....	holländisch.....	Dutch (equipment).....	Dutch (equipment)
Ha.....	Hafer.....	Oats.....	Oats
Hb.....	Hochbau.....	Above ground construction.....	Telephone cable laid on poles, etc.
Hei.....	} Heimat.....	Zone of the interior.....	Home
Heim.....			

Hf.	Hafen	Port, harbor	Port, harbour
H. Gr.	Heeresgruppe	Army group	Army group
HK	Höheres Kommando	Static staff of corps status	Static staff of corps status
HUV	Heeresunterkunftsverwaltung	Army billeting administration	GHQ billeting administration
HVD	Heeresverpflegungsdienststelle	Army ration office	GHQ rations administration centre
HWNF	Höherer Wehrmachtnachrichtenführer	Chief Signal Officer of the Armed Forces	Higher cmd of combined sigs
I	Instandsetzung	Repair, maintenance	Repair
I (or J)	Infanterie (Jäger)	Infantry	Infantry
j	jugoslawisch	Yugoslav (equipment)	Jugo-Slav (equipment)
K	Kommandantur	Administrative Hq	Commandant's office, garrison HQ
K	Kommandeur	Commander	Commander (bn and above)
K	Korps	Corps	Corps
k	kurz	Short	Short
Kch	Küche	Kitchen	Kitchen
KD	Kavalleriedivision	Cavalry division	Cavalry division
Kdo	Kommando	Command, Hq staff, detachment	HQ staff
Kdo Pk	Kommando der Parke	Staff controlling equipment parks	Equipment parks HQ
Kf	Kraftfahr	Motor transport	Motor transport
Kfz	Kraftfahrzeug	Motor vehicle	Motor vehicle
Kgf	Kriegsgefangenen	Prisoners of war	Prisoners of war
kl	klein	Small, light	Small, light
Kol	Kolonne	Column	Column
kr	krank	Sick	Sick
Kr	Kreis	Area	Area
KVL	Korpsverpflegungslager	Corps ration depot	Corps rations depot
Kw	Kraftwagen	Motor vehicle	Motor vehicle
Kz	Kraftzug	Motor-drawn, towed	Motor- or tractor-drawn



**German**

Abbreviation	Meaning	U. S.	British
l	lang	Long	Long
l	leicht	Light	Light
le			
Li	Lichtmess	Flash ranging	Flash-spotting
L.Kr.	Leichtkranker	Minor medical case	Minor medical casualty
Ls	Landeschützen	Regional defense forces	Local defence
Lz	Lazarett	Hospital	Hospital
l.z.	leicht zerlegbar	Sectional	Sectional
M	Mineralöl	Crude oil	Mineral oil
M	Munition	Ammunition	Ammunition
m	mittel	Medium	Medium
Masch	Maschine	Machine	Machine
MA	Mineralöl A	Crude oil A	Mineral oil A
MB	Mineralöl B	Crude oil B	Mineral oil B
M.Kpf.	Meldekopf	Advance message center	Signal reporting centre
M.Sst.	Meldesammelstelle	Message center	Signal centre, report centre
N	Nachrichten	Signal, communications	Signals, communications, intelligence.
n	norwegisch	Norwegian (equipment)	Norwegian (equipment)
Ns	Nachschub	Supply	Supply
O	Offizier	Officer	Officer
O	Ort	Town, locality	Town, locality
OFK	Oberfeldkommandantur	Military Hq in occupied territory (division status).	Military HQ of div status in occupied territory
Oflag	Offizierlager	Officer prisoner of war camp	Officer PW camp
OK	Ortskommandantur	Military Hq in occupied territory (battalion status).	Garrison command, town major's office
OKH	Oberkommando des Heeres	High Command of the Army	Army GHQ, War Ministry
P	Pak	Antitank gun (artillery)	Anti-tank gun or arty

P	Protze	Limber (artillery)	Limber
p	polnisch	Polish (equipment)	Polish (equipment)
Pf	Pfeiler	Bridge pier	Bridge pier
Pi	Pionier	Engineer	Engineer
Pk	Park	Equipment park, dump	Equipment park
Prop	Propaganda	Propaganda	Propaganda
Pz	Panzer	Armored, tank	Armoured, tank
Pz.Sp.	Panzerspäh	Armored (car) reconnaissance	Armoured recon
R	Reifen	Tire	Tyre
r	russisch	Russian (equipment)	Russian (equipment)
r.A.	rückwärtiges Armeegebiet	Army rear area	Army L of C area
Rauh	Rauhfutter	Forage	Forage
Res	Reserve	Reserve	Reserve
r.H.	rückwärtiges Heeresgebiet	Army group rear area	Army group L of C area
S	Sammler	Storage battery	Accumulator
S	Seuche	Infection	Infection
S	Signal	Signal	Signal(s)
s	schwer	Heavy	Heavy
Sch	Schallmess	Sound ranging	Sound-ranging
Sich	Sicherung	Security, line-of-communication (units)	Protective, defensive (used only in connection with units, usually L of C)
Sp	Sperrfeuer (Batterie)	Barrage (battery)	Barrage (tp)
s.S.	schweres Schiffsbrückengerät	Heavy ponton bridging equipment	Heavy pontoon bridge equipment
S.St.	Sammelstelle	Collecting station	Collecting station, assembly point
St	Stab	Staff, Hq	Staff, HQ
St	Stellung	Position	Position
St	Staffel	Detachment, echelon, train	Echelon, detachment, party, branch, etc.
St	Stellwerk	Signal box	Signal box
St	Sturm	Assault	Assault


German

Abbreviation	Meaning	U. S.	British
Stalag	Stammlager	Prisoner of war camp for enlisted personnel	PW camp for other ranks
Str	Strasse	Road, street	Road, street
T	Tank	Fuel tank	Fuel tank
T	Tankstelle	Fuel tank station, gas station	Petrol station, refuelling
Ti	Tragtier	Pack animal	Pack animal
T	Träger	Carrier, pack	Carrier
T	Brückengerät	Bridging equipment	Bridging equipment
T	technisch	Technical	Technical
t	tschechisch	Czech (equipment)	Czech (equipment)
T.O.	Transportoffizier	Transportation officer	Transportation officer
Tp	Transport	Transportation	Transportation
T.V.	Transportverbindung	Transportation intermediate point	Transportation liaison
U	Umschlag	Reloading, transfer	Reloading or refilling point
U	Untersuchung	Research, examination	Research, examination
US	Unterwasserschneide	Under-water welding	Under-water welding
V	Verpflegung	Ration	Rations, food supply
V	Vorwarner	Forward observation post (sound ranging)	Forward observation (section in sound-ranging)
Va	Verpflegungsamt	Ration office	Rations office
Verbl	Verbleiung	Gasoline blending	Ethylization
Verm	Vermessung	Survey	Survey
Vers	Versorgung	Supply	Supply
Vers.Bez.	Versorgungsbezirk	Supply district	Supply district
Vierl	Vierling	Four-barreled	Four-barrelled
W	Wasser	Water	Water
W	Wehrkreis	Military district	Military district
Wa	Wachtruppe	Guard troops	Guard troops



Werk	Werkstatt	Repair shop	Workshop
Wffm.	Waffenmeister	Armorer	Armourer-artificer
Wirtsch.	Wirtschaft	Accounting, economy	Accounting, economy
Wl.	Weiterleitung	Forwarding	Forwarding
Wl.St.	Weiterleitungsstelle	Forwarding station	Forwarding station
W.Str.R.	Wasserstrassenräum	Waterway clearing	Waterways clearing
WT	Wechselstromtelegrafie	Alternating-current telegraphy	Alternating current telegraphy
W.T.Ltg.	Wehrmachttransportleitung	Armed Forces transportation control	Armed Forces transportation control
W.V.D.	Wehrmachtverkehrsdirektion	Armed Forces traffic supervisory staff	Armed Forces traffic directorate
Z	Zentral	Central, main	Main
z.b.V.	zur besonderen Verwendung	For special employment, special duty	For special employment
Zg.Kw.	Zugkraftwagen	Gun-towing motor vehicle	Tractor
Zw	Zweig	Branch	Branch

## Section VIII. Supplementary Numerals



Supplementary numerals denoting the number of headquarters, staffs, and units are placed on the *right* of the tactical symbols. The following organizations and their headquarters are indicated by Arabic numerals: armies, divisions, regiments, separate (independent) battalions, companies (and equivalent units). **EXAMPLE:**

Current	Old	German	U. S.	British
 18		Grenadierregiment 18.....	18th Infantry Regiment.....	HQ 18 Gren Regt



Roman numerals are used to indicate corps, battalions (within regiments), platoons, and their headquarters. **EXAMPLES:**

 VIII		Generalkommando VIII. A. K. ....	Hq VIII Army Corps.....	HQ 8 Corps
 II/67		II. Bataillon G. R. 67.....	2d Battalion, 67th Infantry Regiment	2 Bn 67 Inf Regt



Arabic numerals *below* unit symbols indicate the number of weapons in the unit. **EXAMPLE:**

 le 4	 4	Batterie 1e. Feldhaubitzen zu 4 Ge-	4-gun battery of light field howitzers	4-gun troop of gun-hows
		schützen		

Arabic numerals *below* the weapon symbols which appear *below* unit symbols indicate the number of different weapons in the unit. EXAMPLE:

		<p>Maschinengewehrkompanie mit 12 schweren Maschinengewehren und 6 mittleren Granatwerfern</p>	<p>Machine-gun company with 12 machine guns (tripod)<sup>1</sup> and 6 medium mortars</p>	<p>MG coy with 12 MMGs and 6 med mortars</p>
--	---	--	---	--

The load capacity of transport columns and the carrying capacity of ferries and bridges are indicated by placing the number (in tons) *below* the center of the tactical symbol. EXAMPLES:



	<p>leichte Artilleriekolonne (mot) (48)-----</p>	<p>Artillery motorized light transport column of 48-ton capacity</p>	<p>Lt arty coln (mech) of 48-ton carrying capacity</p>
	<p>Brücke zu 40 t Tragfähigkeit-----</p>	<p>Bridge of 40-ton capacity-----</p>	<p>Br with carrying capacity of 40 tons</p>

<sup>1</sup> See sec. VI, p. 17, note 1, above.




## Section IX. Revised System of Military Symbols

As stated in the introduction, the system of German military symbols has changed radically during 1943. The new system as it applies to weapons and equipment is analyzed in this section.<sup>1</sup>

**1. CALIBER OF WEAPONS.** Caliber is shown by placing numerals representing centimeters to the *left* of the basic symbol. **EXAMPLE:**

Current	Old	German	U. S.	British
 10.5		10,5 cm I.F.H. -----	105-mm light field howitzer -----	10.5-cm gun-how

Another method of showing the caliber is to place the following letters to the *left* of the symbol: *le* (*leicht*), light; *m* (*mittel*), medium; *s* (*schwer*), heavy; and *sw* (*schwerste*), superheavy. **EXAMPLES:**

 le		10,5 cm I.F.H. -----	105-mm light field howitzer -----	10.5-cm gun-how
 s		12 cm Granatwerfer -----	120-mm mortar -----	12-cm mortar

<sup>1</sup> For the revised basic symbols for weapons and equipment, see sec. III, p. 7, above.

Short- and long-barreled guns of the same caliber are differentiated by the letters *k* (*kurz*), short, and *l* (*lang*), long, respectively, on the *right* of the numerals showing caliber or number of guns. EXAMPLES:

8l  $\frac{2}{2}$  2 Granatwerfer, Kaliber 8 cm mit langem Rohr Two 81-mm mortars with long barrels Two 8-cm mortars with long barrels

$\frac{m}{10/IV k + 3/IV k}$

mittlere Panzerkompanie zu 10 Pz. IV l. Rohr und 3 Pz. IV k. Rohr Medium tank company of 10 M4 tanks with long-barreled guns and 3 M4 tanks with short-barreled guns Med tk sqn with 10 Pz Kw IV with long-barrelled guns and 3 Pz Kw IV with short-barrelled guns

The following chart shows the classifications used in indicating the caliber of weapons:<sup>1</sup>

German classification	Antitank rifles	Infantry howitzers (guns)	Mortars	Antitank guns	Smoke mortars/rocket projectors	Guns	Howitzers	Heavy high-angle howitzers ("Mörser")	Antiaircraft guns
Light ( <i>leicht</i> , or <i>l</i> , or <i>le</i> )	Up to 7.9 mm	Up to 75 mm	Up to 79 mm	Up to 39 mm	Up to 109 mm	Up to 99 mm	Up to 129 mm	-----	Up to 36 mm
Medium ( <i>mittel</i> , or <i>m</i> )	-----	-----	80 to 119 mm	40 to 59 mm	110 to 159 mm	-----	-----	-----	37 to 59 mm
Heavy ( <i>schwer</i> , or <i>s</i> )	8 mm and larger	76 mm and larger	120 mm and larger	60 to 89 mm	160 to 219 mm	100 to 209 mm	130 to 209 mm	210 to 249 mm	60 to 159 mm
Superheavy ( <i>schwerste</i> , or <i>sw</i> )	-----	-----	-----	90 mm and larger	220 mm and larger	210 mm and larger	210 mm and larger	250 mm and larger	160 mm and larger

<sup>1</sup> The German practice is to designate in centimeters weapons with calibers of 20 mm and larger.



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**2. RANGE OF WEAPONS.** Range is shown by numerals representing kilometers *above* the basic symbol.



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**3. ORIGIN OF WEAPONS.** The country of origin of a weapon is indicated by placing supplementary letters to the *right* of the basic symbol: for example, *b* for *belgisch* (Belgian), *f* for *französisch* (French), etc. (These and other abbreviations used in this connection are shown in the list of abbreviations given in sec. VII, p. 20, above.)

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

**4. NUMBER OF WEAPONS.** The number of weapons is indicated by numerals placed *below* the symbol.

EXAMPLE:

Current	Old	German	U. S.	British
		3 schwere Maschinengewehre.....	3 machine guns (tripod) <sup>1</sup> .....	3 MMGs

---

Where within a unit there are weapons of the same type but of different caliber, one basic symbol may be used to indicate all the weapons, the numbers of each type being given *below* it, commencing with the largest caliber on the *left*. EXAMPLES:

		2 s. und 6 le. Infanteriegeschütze.....	2 heavy and 6 light infantry howitzers	2 hy and 6 lt inf guns
		3 s. und 6 le. Granatwerfer.....	3 heavy and 6 light light mortars.....	3 hy and 6 lt mortars

---

**5. BARRAGE BATTERIES (TROOPS).** Barrage batteries (troops) (*Sperrfeuer-Batterien*) are indicated by placing the letters *Sp* to the *left* of the symbol below the caliber.

<sup>1</sup>See sec. VI, p. 17, note 1, above.

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**6. HOME DEFENSE ANTI-AIRCRAFT GUNS.** Home defense antiaircraft guns (*Heimat-Flak*) are indicated by the letters *Hei* on the *right* of the basic symbol.

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

**7. EMERGENCY ANTI-AIRCRAFT GUNS.** Emergency antiaircraft guns (*Alarm-Flak*) are indicated by the letters *Al* placed to the *right* of the basic symbol.

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**8. NUMBER OF VEHICLES.** The number of vehicles is indicated by placing numerals *below* the basic vehicle symbol.



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**9. TYPES OF TANKS.** Types of tanks are indicated by Roman numerals *within* the basic tank symbol.  
EXAMPLE:

  Panzerkampfwagen IV..... Tank, M4..... Pz Kw IV



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The abbreviations *le*, *m*, and *s* must not be used with the basic tank symbol to indicate particular types of tanks. These abbreviations may be used, however, to indicate tank units. EXAMPLE:

  leichte Panzerkompanie..... Light tank company..... Lt tk sqn

---

**10. ARMORED COMMAND VEHICLES.** Armored command vehicles (*Panzerbefehlswagen*) are identified by the following symbol:





  Panzerbefehlswagen <sup>1</sup>..... Armored command vehicle..... ACV

<sup>1</sup> The M3 tank is represented by the old symbol.




**11. BRANCH OF THE ARMED FORCES.** There are two methods of indicating the branch of the Armed Forces to which a certain weapon belongs. The first method is to place the letters *H* for *Heer* (Army), *L* for *Luftwaffe* (Air Force), and *M* for *(Kriegs)marine* (Navy), in parentheses (brackets) next to the unit number on the *right* of the symbol. In the second method the branch is shown by presenting the unit number in colors: black for Army, green for Air Force, and blue for Navy.

**12. GUN POSITIONS.** The supplementary symbols employed to indicate guns in position are given below:

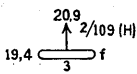
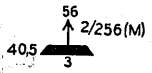
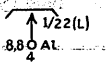
**SYMBOLS:**

In position	In fixed position	In fixed position under armor or concrete	
			
(above weapon symbol)	(below weapon symbol)	<i>Under construction</i>	<i>Completed</i>
		(below weapon symbol)	

**EXAMPLES:**







Antitank gun in position	Gun in fixed position	Howitzer in fixed position under armor or concrete
		

**13. EXAMPLES.** The three examples that follow illustrate the combination of basic weapon and supplementary symbols. In these examples the new system of symbols is used exclusively.

New	U. S.	British	
	Army heavy self-propelled gun battery with French guns:	Army hy SP gun tp with French guns:	
	Range..... 20.9 km Caliber..... 194 mm Number of guns... 3 Unit..... 2d Battery, 109th Artillery Regiment (Army) Origin..... French	Range..... 20.9 km Calibre..... 19.4 cm Number of guns... 3 Unit..... 2 Tp, 109 Arty Regt (Army) Origin..... French	
	Naval coast artillery superheavy gun battery in fixed position under concrete:	Naval super hy gun bty in fixed posn under concrete:	
	Range..... 56 km Caliber..... 405 mm Number of guns... 3 Unit..... 2d Battery, 256th Naval Coast Artillery Battalion	Range..... 56 km Calibre..... 40.5 cm Number of guns... 3 Unit..... 2 Tp, 256 Naval CA Bty	
	Air Force heavy "emergency" antiaircraft battery in position:	Air Force hy "emergency" AA tp in posn:	
	Caliber..... 88 mm Number of guns... 4 Unit..... 1st Battery, 22d Antiaircraft Regiment (Air Force)	Calibre..... 8.8 cm Number of guns... 4 Unit..... 1 Tp, 22 AA Regt (Air Force)	

# B. TACTICAL SYMBOLS FOR HIGHER HEADQUARTERS, COMBAT TROOPS, SERVICES, SERVICE INSTALLATIONS, AND TRANSPORTATION CONTROL

## Section I. Higher Headquarters

Current	Old	German	U. S.	British
		Oberkommando des Heeres.....	High Command of the Army.....	Army GHQ
		Heeresgruppenkommando.....	Hq of an army group.....	HQ army gp
		Armeeoberkommando.....	Hq of an army.....	HQ army
		Panzerarmeeoberkommando.....	Hq of a panzer army.....	HQ Pz army
		Generalkommando.....	Corps Hq.....	HQ corps
		Generalkommando (mot).....	Hq of a motorized corps.....	HQ mot corps



Generalkommando eines Gebirgskorps. Hq of a mountain corps..... HQ mtn corps



Panzerkorpskommando..... Hq of a panzer corps..... HQ Pz corps



Höheres Kommando..... Military Hq in occupied territory HQ corps (static)  
(corps status)



Befehlshaber rückwärtiges Heeres- Commander of an army group rear Cnd of army gp L of C area  
gebiet area



Kommando einer Infanteriedivision.... Hq of an infantry division..... HQ inf div



Kommando einer leichten Infanterie- Hq of a light infantry division..... HQ lt inf div  
division (Jägerdivision)













Kommando einer Sicherungsdivision.... Hq of a line-of-communication (se- HQ L of C div  
curity) division



Kommando einer Landesschützen- Hq of a regional defense division.... HQ local def div  
division



Kommando einer Panzergrenadier- Hq of a motorized infantry division... HQ Pz Gren div  
division

Current	Old	German	U. S.	British
		Kommando einer Gebirgsdivision	Hq of a mountain division	HQ mtn div
		Kommando einer leichten Division (Jägerdivision) (mot)	Hq of a motorized light division	HQ lt div (mech)
		Kommando einer Panzerdivision	Hq of a panzer division	HQ Pz div
		Kommando einer Kavalleriedivision	Hq of a cavalry division	HQ cav div
		Stab eines höheren Artilleriekommandeurs	Staff of a senior artillery commander at army group or army	HQ of arty comd at army gp or army
		Stab eines höheren Küstenartilleriekommandeurs	Staff of a senior coast artillery commander	HQ of higher comd of CA
		Stab eines Kommandeurs der Nebeltruppe	Staff of a commander of chemical warfare (smoke) troops	HQ of comd of smoke tps
		Inspekteur der Befestigungen	Inspector of fortifications	Inspector of fortifications
		Kommandant rückwärtiges Armeegebiet	Commander of an army rear area	Comd of army L of C












OFK



Oberfeldkommandantur-----	Military Hq in occupied territory (division status)	Mil HQ (div status) in oc- cupied countries
Stab eines Infanterie-Brigadekomman- deurs	Hq of an infantry brigade-----	HQ inf bde comd
Stab einer Panzergrenadierbrigade----	Hq of an infantry brigade in a panzer division	HQ Pz Gren bde
Stab einer Panzergrenadierbrigade (gep)	Hq of an armored (half-track) in- fantry brigade	HQ Pz Gren bde (armd)
Stab einer Panzerbrigade-----	Hq of a tank brigade-----	HQ tk bde
Stab einer Reiterbrigade-----	Hq of a cavalry brigade-----	HQ cav bde
Stab eines Artilleriekommandeurs-----	Hq of an artillery commander (bri- gade status)	HQ of arty comd
Stab eines Küstenartilleriekomman- deurs	Hq of a coast artillery commander (brigade status)	HQ of CA comd
Stab eines Festungsartilleriekomman- deurs	Hq of a fortress artillery commander (brigade status)	HQ of fortress arty comd









Current	Old	German	U. S.	British
		Stab eines Befehlshabers der Eisenbahntruppen	Hq of a commander of railway troops	HQ of comd of rly tps
		Stab eines Festungspionierkommandeurs	Hq of a fortress engineer commander	HQ of fortress engr comd
		Stab eines höheren Pionierführers (formerly Oberbaustab)	Hq of a senior engineer commander (formerly construction staff of brigade status)	HQ of a higher engr comd (formerly constr staff of bde status)
		Stab eines höheren Nachrichtenführers	Hq of a senior signal commander (normally at corps)	HQ of a higher signals comd (normally at corps or over)
		Stab eines Heeresgruppennachrichtenführers	Hq of an army group signal commander	HQ of army gp sigs comd
		Stab eines Armeenachrichtenführers	Hq of an army signal commander	HQ of army sigs comd
		Kommandeur der Führungsnachrichtentruppen	Commander of the signal troops under control of the High Command of the Army	Comd of GHQ sigs
		Stab eines höheren Wehrmachtnachrichtenführers	Hq of a senior officer responsible for the control of signal troops subordinate to the High Command of the Armed Forces	HQ of higher comd of combined sigs
		Stab eines Panzerarmeenachrichtenführers	Hq of a panzer army signal commander	HQ of Pz army sigs comd





## Section II. Combat Troops

**1. INFANTRY.** During the spring of 1943, all *Radfahr* (bicycle) units of the cavalry and reconnaissance arm were renamed *Aufklärungs* (reconnaissance) units. It is not known whether the same applies to infantry bicycle units.





Infantry anti-aircraft headquarters and units will be found under "Motorized and Armored Infantry" (par. 2, p. 49, below) and "Mountain Infantry" (par. 3, p. 57, below).


### a. Headquarters


Current	Old	German	U. S.	British
		Stab eines Grenadierregiments.....	Hq of an infantry regiment.....	HQ inf regt
	Sich	Stab eines Sicherungsregiments.....	Hq of a line-of-communication (security) regiment	HQ L of C gd regt
	Gr	Stab eines Grenzschutzregiments.....	Hq of a frontier guard regiment.....	HQ frontier gd regt
	Ls	Stab eines Landeschützenregiments....	Hq of a regional defense regiment....	HQ local def regt
		Stab eines Grenadierbataillons.....	Hq of an infantry battalion.....	HQ inf bn
		Stab eines Radfahrbataillons (tmot)....	Hq of a partly motorized bicycle battalion	HQ cyclist bn (part mech)





Current	Old	German	U. S.	British
Sich 		Stab eines Sicherungsbataillons .....	Hq of a line-of-communication (security) battalion	HQ L of C gd bn
Gr 		Stab eines Grenzschtzbataillons .....	Hq of a frontier guard battalion .....	HQ frontier gd bn
Ls 		Stab eines Landesschtzenbataillons ..	Hq of a regional defense battalion .....	HQ local def bn
Wa 		Stab eines Wachbataillons .....	Hq of a guard battalion .....	HQ gd bn
		Führer einer Grenadierkompanie .....	Hq (or commander) of a rifle company	HQ (or comd) of a rifle coy
		Führer einer Radfahrkompanie .....	Hq (or commander) of a bicycle company	HQ (or comd) of a cyclist coy





b. Units


	Grenadierbataillon .....	Infantry battalion .....	Inf bn
	Grenadierkompanie .....	Rifle company .....	Rifle coy
Sich 	Sicherungskompanie .....	Line-of-communication (security) company	L of C gd coy
Gr 	Grenzschtzkompanie .....	Frontier guard company .....	Frontier gd coy


Ls  Landeschützenkompanie..... Regional defense company..... Local def coy


Wg  Wachkompanie..... Guard company..... Gd coy

















S  OR  } Maschinengewehrkompanie..... Machine-gun company..... MG coy  
S  OR  }











Gr  OR  } Grenzschutzmaschinengewehrkompanie Frontier guard machine-gun com- Frontier gd MG coy  
Gr  OR  } pany

 Radfahrkompanie..... Bicycle company..... Cyclist coy





Wg  Radfahrkompanie eines Wachbataillons Bicycle company of a guard bat- Cyclist coy of a guard bn  
lons talion

 schwere Kompanie (mot) eines Rad- Motorized heavy weapons company Hy coy (mech) of a cyclist bn  
fahrbataillons (tmot) of a partly motorized bicycle bat- (part mech)  
talion



















Current	Old	German	U. S.	British
		} Infanteriegeschützkompanie.....	} Infantry howitzer company.....	} Inf gun coy
OR	OR			
				
		Infanteriepanzerjägerkompanie.....	Infantry antitank company.....	Inf A tk coy
		Stabskompanie.....	Hq company.....	HQ coy
		Schützenzug.....	Rifle platoon.....	Rifle pl
		Granatwerferzug.....	Mortar platoon.....	Mortar pl
		schwerer Maschinengewehrzug.....	Machine-gun (tripod) <sup>1</sup> platoon.....	MMG pl
		} leichter Infanteriegeschützzug.....	} Light infantry howitzer platoon.....	} Lt inf gun pl
OR	OR			
				

		} schwerer Infanteriegeschützzug..... Heavy infantry howitzer platoon..... Hy inf gun pl
		
		Infanteriepanzerjägerzug..... Infantry antitank platoon..... Inf A tk pl
		Infanteriereiterzug..... Mounted infantry platoon..... Mtd inf pl
		Nachrichtenzug bei Stäben..... Hq signal platoon..... Sig pl (at a HQ)
		Infanteriepionierzug..... Infantry engineer platoon..... Inf pnr pl
		leichte Infanteriekolonne..... Infantry light transport column..... Lt inf coln

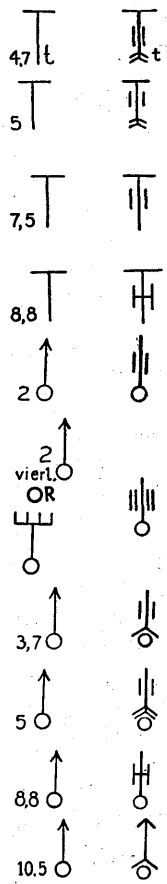
c. Weapons

		leichtes Maschinengewehr..... Machine gun (bipod) <sup>1</sup> ..... LMG
		leichtes Maschinengewehr in Stellung.. Machine gun (bipod) <sup>1</sup> in position.... LMG in posn
		schweres Maschinengewehr..... Machine gun (tripod) <sup>1</sup> ..... MMG

<sup>1</sup> See A, sec. VI, p. 17, note 1, above.

Current	Old	German	U. S.	British
		schweres Maschinengewehr in Stellung	Machine gun (tripod) in position	MMG in posn
		leichter Granatwerfer	Light mortar	Lt mortar
		mittlerer Granatwerfer <sup>1</sup>	Medium mortar	Med mortar
		schwerer Granatwerfer	Heavy mortar	Hy mortar
		leichtes Infanteriegeschütz	Light infantry howitzer	Lt inf gun
		schweres Infanteriegeschütz	Heavy infantry howitzer	Hy inf gun
		Panzerbüchse	Antitank rifle	A tk rifle
		schwere Panzerbüchse 41	Heavy antitank rifle 41	2.8-cm A tk gun
		Panzerjägerkanone 3,7 cm	37-mm antitank gun	3.7-cm A tk gun

<sup>1</sup> The *mittlerer Granatwerfer* is a new classification for the 81-mm mortar. This weapon had previously been known as the *schwerer Granatwerfer* but was reclassified when the 120-mm mortar appeared.

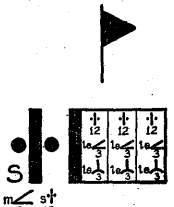


Panzerjägerkanone 4,7 cm (t).....	47-mm antitank gun (Czech).....	4.7-cm A tk gun (Czech)
Panzerjägerkanone 5 cm.....	50-mm antitank gun.....	5-cm A tk gun
Panzerjägerkanone 7,5 cm.....	75-mm antitank gun.....	7.5-cm A tk gun
Panzerjägerkanone 8,8 cm.....	88-mm antitank gun.....	8.8-cm A tk gun
Fliegerabwehrgeschütz 2 cm.....	20-mm antiaircraft gun.....	2-cm AA gun
} Fliegerabwehrgeschütz 2 cm (Vierling) - 20-mm antiaircraft gun (four-barreled) 2-cm AA gun (four-barrelled)		
Fliegerabwehrgeschütz 3,7 cm.....	37-mm antiaircraft gun.....	3.7-cm AA gun
Fliegerabwehrgeschütz 5 cm.....	50-mm antiaircraft gun.....	5-cm AA gun
Fliegerabwehrgeschütz 8,8 cm.....	88-mm antiaircraft gun.....	8.8-cm AA gun
Fliegerabwehrgeschütz 10,5 cm.....	105-mm antiaircraft gun.....	10.5-cm AA gun



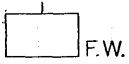




## d. Organization

### (1) Example of a diagrammatic table of organization

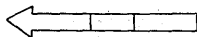
New	German	U. S.	British
	Grenadierbataillon zu: Stab 3 Grenadierkompanien mit je 12 1. M. G., 3 l. Gr. W., 3 Panzer- büchsen Maschinengewehrkompanie mit 12 s. M. G., 6 m. Gr. W.	Infantry battalion, consisting of: Hq 3 rifle companies, each with 12 machine guns (bipod), 3 light mortars, 3 antitank rifles Machine-gun company with 12 machine guns (tripod), 6 me- dium mortars	Inf bn, consisting of: HQ 3 rifle coys, each with 12 LMGs, 3 lt mortars, 3 A tk rifles MG coy with 12 MMGs, 6 med mortars

### (2) Examples of map symbols

Current	Old			
	Old symbol: a small black circle.	einzelner Schütze	Rifleman	Rifleman
	Old symbol: two small black circles.	Feldposten, Spähtrupp	Patrol	Patrol
	Old symbol: a square.	Feldwache	Picket	Piquet
	Old symbol: a black triangle.	Beobachtungstelle	Observation post	OP
	Old symbol: a black arc.	Schützennest	Group of entrenched riflemen	Riflemen in weapon pit



Schützen in Entwicklung..... Deployed riflemen..... Riflemen deployed



Marschkolonne von Infanterieein- Infantry in march column..... Inf in coln of route  
heiten

**2. MOTORIZED AND ARMORED INFANTRY.** The term "armored" (*gep*) is employed to indicate headquarters and units mounted on armored (half-track) personnel carriers.

a. Headquarters



Stab eines Grenadierregiments (mot).. Hq of a motorized infantry regiment.. HQ inf regt (mot)



Stab eines Panzergrenadierregiments... Hq of a motorized infantry regiment in a panzer division HQ Pz Gren regt



Stab eines Panzergrenadierregiments (gep) Hq of an armored (half-track) infantry regiment HQ Pz Gren regt (armd)



Stab eines Grenadierbataillons (mot).. Hq of a motorized infantry battalion.. HQ inf bn (mot)














Stab eines Panzergrenadierbataillons... Hq of a motorized infantry battalion in a panzer division HQ Pz Gren bn

Current	Old	German	U. S.	British
		Stab eines Panzergrenadierbataillons (gep)	Hq of an armored (half-track) infantry battalion	HQ Pz Gren bn (armd)
		Stab eines Maschinengewehrbataillons (mot)	Hq of a motorized machine-gun battalion	HQ MG bn (mot)
		Stab eines Fliegerabwehrbataillons (mot Z)	Hq of an antiaircraft battalion with towed weapons	HQ AA bn (tractor drawn)
		Stab eines Fliegerabwehrbataillons (Sf)	Hq of a self-propelled antiaircraft battalion	HQ AA bn (SP)
		Führer einer Grenadierkompanie (mot)	Hq (or commander) of a motorized rifle company	HQ (or comd) rifle coy (mot)
		Führer einer Panzergrenadierkompanie	Hq (or commander) of a rifle company in a panzer division	HQ (or comd) Pz Gren coy
		Führer einer Panzergrenadierkompanie (gep)	Hq (or commander) of an armored (half-track) rifle company	HQ (or comd) Pz Gren coy (armd)

b. Units

	Maschinengewehrbataillon (mot)-----	Motorized machine-gun battalion....	MG bn (mot)
	Grenadierbataillon (mot)-----	Motorized infantry battalion.....	Inf bn (mot)

	Panzergrenadierbataillon.....	Motorized infantry battalion in a Pz Gren bn panzer division
		Panzergrenadierbataillon (gep)..... Armored (half-track) infantry battal- Pz Gren bn (armd) ion
	Grenadierkompanie (mot).....	Motorized rifle company..... Rifle coy (mot)
	Panzergrenadierkompanie.....	Motorized rifle company in a panzer Pz Gren coy division
		Panzergrenadierkompanie (gep)..... Armored (half-track) rifle company.. Pz Gren coy (armd)
	} Maschinengewehrkompanie (mot).....	Motorized machine-gun company..... MG coy (mot)
		
	} Infanteriegeschützkompanie (mot Z) ..	Infantry howitzer company with Inf gun coy (tractor-drawn) towed weapons
		

Current	Old	German	U. S.	British
		Infanteriegeschützkompanie (mot Z) in einer Panzerdivision	Infantry howitzer company with towed weapons in a panzer division	Inf gun coy (tractor-drawn) in Pz div
		schwere Infanteriegeschützkompanie (Sf)	Self-propelled heavy infantry howitzer company	Hy inf gun coy (SP)
		Infanteriepanzerjägerkompanie (mot Z)	Infantry antitank company with towed weapons	Inf A tk coy (tractor-drawn)
		Fliegerabwehrkompanie 2 cm (mot Z)	20-mm antiaircraft company with towed weapons	2-cm AA coy (tractor-drawn)
		Fliegerabwehrkompanie 2 cm (Sf)	Self-propelled 20-mm antiaircraft company	2-cm AA coy (SP)
		Fliegerabwehrkompanie 3,7 cm (mot Z)	37-mm antiaircraft company with towed weapons	3.7-cm AA coy (tractor-drawn)
		Fliegerabwehrkompanie 5 cm (mot Z)	50-mm antiaircraft company with towed weapons	5-cm AA coy (tractor-drawn)
		schwere Kompanie (mot)	Motorized heavy weapons company	Hy coy (mech)
		schwere Kompanie (mot) in einer Panzerdivision	Motorized heavy weapons company in a panzer division	Hy coy (mech) in a Pz div



schwere Kompanie (gep)----- Armored (half-track) heavy weapons Hy coy (armd) in a Pz div company



Stabskompanie (mot)----- Motorized Hq company----- HQ coy (mot)



Stabskompanie (mot) in einer Panzer- Motorized Hq company in a panzer HQ coy (mech) in a Pz div division division



Stabskompanie (gep) in einer Panzer- Armored (half-track) Hq company-- HQ coy (armd) in a Pz div division division

















Granatwerferzug (mot)----- Motorized mortar platoon----- Mortar pl (mech)



leichter Infanteriegeschützzug (mot Z) Light infantry howitzer platoon with Lt inf gun pl (tractor-drawn) towed weapons



schwerer Infanteriegeschützzug (mot Heavy infantry howitzer platoon Hy inf gun pl (tractor-drawn) Z) with towed weapons

Current	Old	German	U. S.	British
		schwerer Infanteriegeschützzug (mot Z) in einer Panzerdivision	Heavy infantry howitzer platoon with towed weapons in a panzer division	Hy inf gun pl (tractor-drawn) in a Pz div
		schwerer Infanteriegeschützzug (Sf)---	Self-propelled heavy infantry howitzer platoon	Hy inf gun pl (SP)
		Infanteriepanzerjägerzug (mot Z)-----	Infantry antitank platoon with towed weapons	Inf A tk pl (tractor-drawn)
		Infanteriepionierzug (mot)-----	Motorized infantry engineer platoon	Inf pnr pl (mech)
		Pionierzug (mot) in einer Panzerdivision	Motorized engineer platoon in a panzer division	Pnr pl (mech) in a Pz div
		Pionierzug (gep) in einer Panzerdivision	Armored (half-track) engineer platoon	Pnr pl (armd) in a Pz div
		Nachrichtenzug (mot)-----	Motorized signal platoon-----	Sig pl (mech)
		Nachrichtenzug (mot) in einer Panzerdivision	Motorized signal platoon in a panzer division	Sig pl (mech) in a Pz div
		Nachrichtenzug (gep) in einer Panzerdivision	Armored (half-track) signal platoon--	Sig pl (armd) in a Pz div
		Kradschützenzug-----	Motorcycle rifle platoon-----	MC pl



Kradmeldezug..... Motorcycle messenger platoon..... MC DR pl



le. Infanteriekolonne (mot)..... Infantry motorized light transport Lt inf coln (mot) column

c. Weapons<sup>1</sup>



Schützenpanzerwagen..... Half-track personnel carrier..... Armd tp carrier

<sup>1</sup> For other weapons, see under "Infantry" (par. 1c, p. 45, above).



## d. Organization

### (1) Example of a diagrammatic table of organization

New

German

Panzergranadierbataillon zu:

Stab

Panzergranadierkompanie (gep)  
mit 34 l.M.G., 4 s.M.G., 3-  
3,7 cm Pak, 3 Panzerbüchsen,  
2 m.Gr.W.—auf 19 S.P.W

2 Panzergranadierkompanien mit  
je 18 l.M.G., 4 s.M.G., 3 Pan-  
zerbüchsen, 2 m.Gr.W.

schwere Kompanie (mot) mit 2  
Infanteriegeschützzüge zu je 2  
l.I.G.; Panzerjägerzug zu 2  
l.M.G., 3-7,5 cm Pak; Pionier-  
zug zu 3 l.M.G

U. S.

Motorized infantry battalion, con-  
sisting of:

Hq

Armored (half-track) rifle com-  
pany with 34 machine guns  
(bipod), 4 machine guns (tri-  
pod), three 37-mm antitank  
guns, 3 antitank rifles, and 2  
medium mortars—on 19 half-  
track personnel carriers

2 motorized rifle companies,  
each with 18 machine guns  
(bipod), 4 machine guns (tri-  
pod), 3 antitank rifles, and 2  
medium mortars

Motorized heavy weapons com-  
pany with 2 infantry howitzer  
platoons, each with 2 light  
infantry howitzers; antitank  
platoon with 2 machine guns  
(bipod), three 75-mm antitank  
guns; engineer platoon with 3  
machine guns (bipod)

British

Pz Gren bn, consisting of:

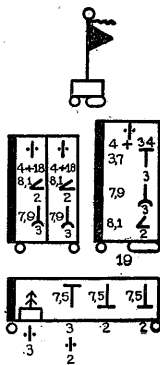
HQ

Pz Gr coy (armd) with  
34 LMGs, 4 MMGs,  
three 3.7-cm A tk guns,  
3 A tk rifles and 2 med  
mortars, on 19 armd tp  
carriers

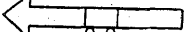

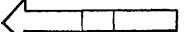

2 Pz Gr coys (mech),  
each with 18 LMGs, 4  
MMGs, 3 A tk rifles and  
2 med mortars

Hy coy (mech) with 2 inf  
gun pls, each with 2 lt  
inf guns; A tk pl with 2  
LMGs, three 7.5 cm A  
tk guns; engr pl with 3  
LMGs

26









## (2) Examples of map symbols

Current	Old			
		Marschkolonne von Grenadiereinheiten (mot)	Motorized infantry units in march column	Motorized inf units in coln of route
		Marschkolonne von Panzergrenadiereinheiten (gep)	Armored (half-track) infantry units in march column	Pz Gren units (armd) in coln of route



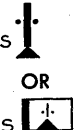









## 3. MOUNTAIN INFANTRY <sup>1</sup>

### a. Headquarters

	Stab eines Gebirgsjägerregiments-----	Hq. of a mountain infantry regiment	HQ mtn rifle regt
	Stab eines Gebirgsjägerbataillons-----	Hq of a mountain infantry battalion	HQ mtn rifle bn
	Stab eines Gebirgsradfahrbataillons (tmot)	Hq of a partly motorized mountain bicycle battalion	HQ mtn cyclist bn (part mech)
	Stab eines Gebirgsfliegerabwehrbataillons (tmot)	Hq of a partly motorized mountain antiaircraft battalion	HQ mtn AA bn (part mech)
	Führer einer Gebirgsjägerkompanie---	Hq (or commander) of a mountain rifle company	HQ (or comd) mtn rifle coy
	Führer einer Gebirgsradfahrkompanie--	Hq (or commander) of a mountain bicycle company	HQ (or comd) mtn cyclist coy

<sup>1</sup> See under "Infantry" (par. 1, p. 41, above).

## b. Units

Current	Old	German	U. S.	British
		Gebirgsjägerbataillon.....	Mountain infantry battalion.....	Mtn rifle bn
		Gebirgsjägerkompanie.....	Mountain rifle company.....	Mtn rifle coy
 S OR S	 OR 	Gebirgsjägermaschinengewehrkompanie	Mountain infantry machine-gun company	Mtn MG coy
		Stabskompanie eines Gebirgsjägerregiments	Hq company of a mountain infantry regiment	HQ coy of mtn rifle regt
		Gebirgsradfahrkompanie.....	Mountain bicycle company.....	Mtn cyclist coy
		Gebirgsfliegerabwehrkompanie 2 cm (mot Z)	20-mm mountain antiaircraft company with towed weapons	2-cm mtn AA coy (tractor-drawn)
		Gebirgspanzerjägerkompanie (mot Z)	Mountain antitank company with towed weapons	Mtn A tk coy (tractor-drawn)
m 		Gebirgsgranatwerferzug.....	Mountain mortar platoon.....	Mtn mortar pl



leichter Gebirgsinfanteriegeschützzug... Mountain light infantry howitzer Mtn lt inf gun pl  
 platoon



Gebirgsjägerradfahrzug..... Mountain bicycle rifle platoon..... Mtn cyclist rifle pl

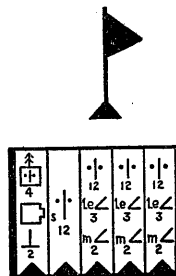


leichte Gebirgsjägerkolonne..... Mountain infantry light transport Lt mtn inf coln  
 column

### c. Organization

#### (1) Example of a diagrammatic table of organization

New



Gebirgsjägerbataillon zu:

Stab  
 3 Gebirgsjägerkompanien mit je  
 12 l.M.G., 3 l.Gr.W., 2 m.Gr.W.

Gebirgsjägermaschinengewehr-  
 kompanie mit 12 s.M.G.

Stabskompanie mit Pionierzug zu  
 4 l.M.G., Nachrichtenzug,  
 Gebirgsinfanteriegeschützzug  
 zu 2 l.I.G.

Mountain infantry battalion, consist-  
 ing of:

Hq  
 3 mountain rifle companies, each  
 with 12 machine guns (bipod),  
 3 light mortars, 2 medium  
 mortars

Mountain infantry machine-gun  
 company with 12 machine guns  
 (tripod)

Hq company, consisting of engi-  
 neer platoon with 4 machine  
 guns (bipod); signal platoon;  
 mountain infantry howitzer  
 platoon with 2 light infantry  
 howitzers

Mtn rifle bn, consisting of:


Hq  
 3 mtn rifle coys, each with  
 12 LMGs, 3 lt mortars, 2  
 med mortars

Mtn MG coy with 12  
 MMGs

HQ coy consisting of engr  
 pl with 4 LMGs, sig pl,  
 mtn inf gun pl with 2 lt  
 inf guns

---

(2) *Examples of map symbols*


Current	Old	German	U. S.	British
		Marschkolonne von Gebirgsjäger- heiten	Mountain infantry units in march column	Mtn inf units in coln of route


---

**4. CAVALRY AND RECONNAISSANCE.** During the spring of 1943, the following changes in nomenclature took place: *Radfahr* (bicycle) units of the cavalry and reconnaissance arm were renamed *Aufklärungs* (reconnaissance) units. It is not known whether the same applies to infantry bicycle units. *Krad* (motorcycle) battalions became *Panzeraufklärungs* (panzer reconnaissance) battalions. The latter now includes companies mounted on (1) half-track personnel carriers (*Panzeraufklärungskompanie (gep)*); (2) motorcycles (*Panzeraufklärungskompanie (Krad)*); (3) "Volkswagen" (*Panzeraufklärungskompanie (Volkswagen)*); and possibly (4) half-track motorcycles (*Panzeraufklärungskompanie (Kettenkrad)*). At the same time all cavalry and reconnaissance units were reclassified as infantry, except those in motorized and panzer divisions, which are now classed as *Panzertruppen* (panzer troops). 8

In this paragraph, reconnaissance units are given their new nomenclature as far as known, but there is yet little known about the symbols which are used to represent these units. However, it is thought likely that the new symbols will be similar to, if not identical with, those given in the column for old symbols.

a. Headquarters

 Stab eines Reiterregiments..... Hq of a cavalry regiment..... HQ cav regt

 Stab einer Reiterabteilung..... Hq of a cavalry squadron..... HQ cav bn



Stab einer Aufklärungsabteilung (tmot) Hq of a partly motorized reconnaissance squadron HQ recee unit (part mech)



Stab einer Gebirgsaufklärungsabteilung (tmot) Hq of a partly motorized mountain reconnaissance squadron HQ mtn recee unit (part mech)



OR



Stab einer Panzeraufklärungsabteilung Hq of a panzer reconnaissance squadron HQ armd recee unit

Führer einer Reiterschwadron Hq (or commander) of a mounted troop HQ (or comd) of a mtd sqn

Führer einer schweren Schwadron (mot) Hq of a motorized heavy weapons troop HQ (or comd) of a hy sqn (mech)

Führer einer Kavallerie-Maschinengewehrschwadron Hq (or commander) of a cavalry machine-gun troop HQ (or comd) of a cav MG sqn













Führer einer Aufklärungsschwadron Hq (or commander) of a bicycle reconnaissance troop HQ (or comd) of a cyclist recee sqn



Führer einer Panzerspähkompanie einer Panzeraufklärungsabteilung Hq (or commander) of a scout car troop of a panzer reconnaissance squadron HQ (or comd) of an armd C sqn in an armd recee unit



## b. Units

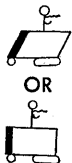
Current	Old	German	U. S.	British
		Reiterabteilung.....	Cavalry squadron.....	Cav bn
		Panzeraufklärungsabteilung.....	Panzer reconnaissance squadron.....	Armd recee unit
		Reiterschwadron.....	Cavalry troop.....	Cav sqn
		Kavallerie-Maschinengewehrschwadron	Cavalry machine-gun troop.....	Cav MG sqn
		Kavallerie-Maschinengewehrschwadron (mot)	Motorized cavalry machine-gun troop	Cav MG sqn (mech)
		Kavalleriegeschützwadron.....	Cavalry howitzer troop.....	Cav gun sqn
		Aufklärungsschwadron.....	Bicycle reconnaissance troop.....	Cyclist recee sqn
		Gebirgsaufklärungsschwadron.....	Mountain bicycle reconnaissance troop	Mtn cyclist recee sqn
		Panzerspähkompanie einer Panzer- aufklärungsabteilung	Scout car company of a panzer reconnaissance squadron	Armd C sqn in an armd recee unit



Panzerpähkumpanie (Halbketten) einer Panzeraufklärungsabteilung

Scout car troop (half-track) of a panzer reconnaissance squadron

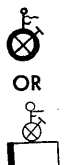
Semi-tracked armd C sqn in an armd recee unit



Panzeraufklärungskompanie (gep) einer Panzeraufklärungsabteilung (formerly 1e. Schützenkompanie (gep))

Panzer reconnaissance troop (armored half-track) of a panzer reconnaissance squadron

Armd recee coy (transported in armd TCVs) in an armd recee unit



Panzeraufklärungskompanie (Krad) einer Panzeraufklärungsabteilung (formerly KradSchützenkompanie)

Panzer reconnaissance troop (motorcycle) of a panzer reconnaissance squadron

Armd recee coy (transported on MC) in an armd recee unit



Panzeraufklärungskompanie (Kettenkrad) einer Panzeraufklärungsabteilung (formerly Schützenkompanie auf Kettenkrad)

Panzer reconnaissance troop (motorcycle half-track) of a panzer reconnaissance squadron

Armd recee coy (transported on semi-tracked MC) in an armd recee unit



Panzeraufklärungskompanie (Volkswagen) einer Panzeraufklärungsabteilung (formerly Schützenkompanie auf Volkswagen)

Panzer reconnaissance troop ("Volkswagen") of a panzer reconnaissance squadron

Armd recee coy (transported in "Volkswagen") in an armd recee unit



schwere Schwadron (mot) eines Reiterregiments

Motorized heavy weapons troop of a cavalry regiment

Hy sqn (mech) in a cav regt



schwere Schwadron (mot) einer Aufklärungsabteilung (tmot)

Motorized heavy weapons troop of a partly motorized reconnaissance squadron

Hy coy (mech) in a recee unit (part mech)














schwere Schwadron (mot) einer Gebirgsaufklärungsabteilung (tmot)

Motorized heavy weapons troop of a partly motorized mountain reconnaissance squadron

Hy coy (mech) in a mtn recee unit (part mech)



Current	Old	German	U. S.	British
		schwere Kompanie (mot) einer Panzeraufklärungsabteilung	Motorized heavy weapons company of a panzer reconnaissance squadron	Hy coy (mech) in an armd recee unit
		schwere Kompanie (Kettenrad) einer Panzeraufklärungsabteilung	Heavy weapons company (half-track motorcycle) of a panzer reconnaissance squadron	Hy coy (transported on semi-tracked MC) in an armd recee unit
		Kavallerie-Panzerjägerzug-----	Cavalry antitank platoon-----	Cav A tk tp
		Kavalleriepanzerjägerzug (mot Z) und Panzerjägerzug der Aufklärungstruppen	Cavalry antitank platoon with towed weapons and antitank platoon of reconnaissance units	Cav A tk tp (tractor-drawn) and A tk pl in recee units
		Kavalleriegeschützzug-----	Cavalry howitzer platoon-----	Cav gun tp
		Geschützzug (mot Z) der Aufklärungstruppen	Howitzer platoon with towed weapons of reconnaissance units	Gun pl (tractor-drawn) in recee units
		Kavalleriepionierzug (mot) und Pionierzug (mot) der Aufklärungstruppen	Motorized cavalry engineer platoon and motorized engineer platoon of reconnaissance units	Cav pnr tp (mech) and pnr pl (mech) in recee units
		Kavallerienachrichtenzug (tmot)-----	Partly motorized cavalry signal platoon	Cav sig tp (part mech)
		Kavallerienachrichtenzug (mot)-----	Motorized cavalry signal platoon----	Cav sig tp (mech)



Nachrichtenzug (mot) der Aufklärungsgruppen

Motorized signal platoon of reconnaissance units

Sig pl (mech) in recee units



Kavalleriepanzerspähzug und Panzerspähzug der Aufklärungsgruppen

Cavalry scout car platoon and scout car platoon of reconnaissance units

Cav armd C tp and armd C pl in recee units



Kradschützenzug der Aufklärungsgruppen

Motorcycle platoon of reconnaissance units

MC pl in recee units



Granatwerferzug (mot) der Aufklärungsgruppen

Motorized mortar platoon of reconnaissance units

Mortar pl (mech) in recee units



leichte Kavalleriekolonne.....

Cavalry light transport column.....

Lt cav coln



leichte Kolonne einer Aufklärungsabteilung (mot)

Motorized light transport column of a reconnaissance squadron

Lt recee coln (mech)

### c. Weapons and Vehicles



leichter Panzerspähwagen.....

Light scout car.....

Lt armd C



schwerer Panzerspähwagen (8-Rad) ...

Heavy scout car (8 wheels).....

Hy armd C (8-wheeled)



schwerer Panzerspähwagen (8-Rad) (Funk)

Heavy scout car (8 wheels) (with radio)

Hy armd WT car (8-wheeled)





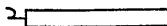
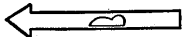


Panzerspähwagen auf Halbketten....

Scout car (half-track).....






Semi-tracked armd C

#### d. Examples of Map Symbols







Current	Old	German	U. S.	British
		Reiterposten.....	Mounted trooper.....	Cavalryman
		Reiterfeldposten, Reiterspähtrupp.....	Cavalry patrol.....	Cav piquet or patrol
		Reiterfeldwache.....	Cavalry picket.....	Cav piquet
		Radfahrfeldposten, Radfahrspähtrupp.....	Bicycle patrol.....	Cyclist piquet or patrol
		Marschkolonne von Kavallerie-Einheiten	Cavalry units in march column.....	Cav in coln of route
		Marschkolonne von Aufklärungseinheiten	Reconnaissance units in march column	Recece units in coln of route

## 5. TANK <sup>1</sup>

### a. Headquarters

	Stab eines Panzerregiments.....	Hq of a tank regiment.....	HQ tk regt
	Stab einer Panzerabteilung.....	Hq of a tank battalion.....	HQ tk bn
	Stab einer Panzer-Flammenwerfer-Abteilung	Hq of a flame-thrower tank battalion.	HQ flame-thrower tk bn
	Führer einer Panzerkompanie.....	Hq (or commander) of a tank company	HQ (or comd) tk sqn
	Führer einer Panzer-Flammenwerfer-Kompanie	Hq (or commander) of a flame-thrower tank company	HQ (or comd) of a flame-thrower tk sqn

### b. Units

		Panzerabteilung.....	Tank battalion.....	Tk bn
		leichte Panzerkompanie.....	Light tank company.....	Lt tk sqn
		mittlere Panzerkompanie.....	Medium tank company.....	Med tk sqn

<sup>1</sup> Tank troops may now include assault-gun units, which are listed under "Artillery" (par. 7, p. 73, below).

Current	Old	German	U. S.	British
		schwere Panzerkompanie.....	Heavy tank company.....	Hy tk sqn
		Panzer-Flammenwerfer-Kompanie.....	Flame-thrower tank company.....	Flame-thrower tk sqn
		Stabskompanie einer Panzerabteilung..	Hq company of a tank battalion....	HQ sqn in tk bn
		Panzerwerkstattkompanie.....	Tank repair-shop company.....	Tk wksp coy
		leichter Panzerzug.....	Light tank platoon.....	Lt tk tp
		mittlerer Panzerzug.....	Medium tank platoon.....	Med tk tp
		schwerer Panzerzug.....	Heavy tank platoon.....	Hy tk tp
		Panzerwerkstattzug.....	Tank repair-shop platoon.....	Wksp pl
		Nachrichtenzug einer Panzereinheit...	Signal platoon of a tank unit.....	Sig pl of an armd unit



Panzerbergetrupp (*now belongs to* Tank recovery detachment..... Tk rec det  
Kraftfahrparktruppen)








Staffel einer Panzerabteilung..... Supply train of a tank battalion..... Sup ech of a tk bn



Eisenbahnpanzerzug..... Armored train..... Armd train

### c. Weapons and Vehicles

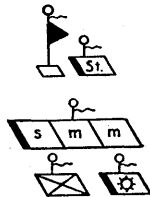
		Panzerkampfwagen I..... Tank, M1..... Pz Kw I
		Panzerkampfwagen II..... Tank, M2..... Pz Kw II
		Panzerkampfwagen III (eines Zugführers) Tank, M3 (of a platoon leader)..... Pz Kw III (tp comd's tk)
		Panzerkampfwagen IV..... Tank, M4..... Pz Kw IV
		Panzerkampfwagen IV (eines Kompanieführers) Tank, M4 (of a company commander)..... Pz Kw IV (sqn comd's tk)
		Panzerkampfwagen V..... Tank, M5 (Panther)..... Pz Kw V

<b>Current</b>	<b>Old</b>	<b>German</b>	<b>U. S.</b>	<b>British</b>
		Panzerkampfwagen VI.....	Tank, M6 (Tiger).....	Pz Kw VI
		Panzerbefehlswagen <sup>1</sup> .....	Armored command vehicle.....	ACV
 Br.	 Br.	Panzerkampfwagen-Brückenleger (eines Panzerpionierbataillons)	Bridge-laying tank (of a panzer engineer battalion)	Br-laying tk (in an armd engr bn)

#### d. Organization

##### (1) *Example of a diagrammatic table of organization*

New



Panzerabteilung zu:

Stab  
 Stabskompanie  
 2 mittleren Panzerkompanien  
 1 schwere Panzerkompanie  
 Werkstattkompanie  
 Staffel

Tank battalion, consisting of:

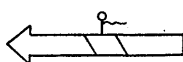
Hq  
 Hq company  
 2 medium tank companies  
 1 heavy tank company  
 Repair-shop company  
 Supply train

Tk bn, consisting of:

HQ  
 HQ sqn  
 2 med tk sqns  
 1 hy tk sqn  
 Wksp coy  
 Sup ech

##### (2) *Example of map symbols*

**Current**      **Old**











Marschkolonne von Panzereinheiten..... Tank units in march column..... Tk units in coln of route

<sup>1</sup> The M3 tank is represented by the old symbol.


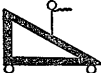




**6. ANTITANK.** The following symbols refer to the antitank headquarters, units, and weapons of panzer troops. Infantry antitank symbols will be found under "Infantry" (par. 1, p. 41, above) "Armored and Motorized Infantry" (par. 2, p. 49, above), and "Mountain Infantry" (par. 3, p. 57, above).

a. Headquarters

		Stab einer Panzerjägerabteilung.....	Hq of an antitank battalion.....	HQ A tk bn
		Stab einer Panzerjägerabteilung in einer Panzerdivision	Hq of an antitank battalion in a panzer division	HQ A tk bn in a Pz div
		Stab einer Panzerjägerabteilung (Sf) in einer Panzerdivision	Hq of a self-propelled antitank battalion in a panzer division	HQ A tk bn (SP) in a Pz div
		Führer einer Panzerjägerkompanie....	Hq (or commander) of an antitank company	HQ (or comd) of an A tk coy
		Führer einer Panzerjägerkompanie (Sf) in einer Panzerdivision	Hq (or commander) of a self-pro- pelled antitank company in a panzer division	HQ (or comd) of an A tk coy (SP) in a Pz div

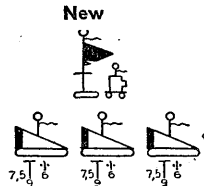


b. Units

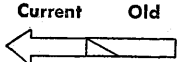
Current	Old	German	U. S.	British
		Panzerjägerabteilung (mot Z)-----	Antitank battalion with towed weapons	A tk bn (tractor-drawn)
		Panzerjägerabteilung (mot Z) in einer Panzerdivision	Antitank battalion with towed weapons in a panzer division	A tk bn (tractor-drawn) in Pz div
		Panzerjägerabteilung (Sf) in einer Panzerdivision	Self-propelled antitank battalion in a panzer division	A tk bn (SP) in a Pz div
		Panzerjägerkompanie (mot Z)-----	Antitank company with towed weapons	A tk coy (tractor-drawn)
		Panzerjägerkompanie (Sf) in einer Panzerdivision	Self-propelled antitank company in a panzer division	A tk coy (SP) in a Pz div
		Panzerjägerzug (Sf) in einer Panzerdivision	Self-propelled antitank platoon in a panzer division	A tk pl (SP) in a Pz div


c. Organization

(1) Example of a diagrammatic table of organization



<p>New</p> 	<p>Panzerjägerabteilung (Sf) in einer Panzerdivision zu: Stab mit Nachrichtenzug (mot)</p> <p>3 Panzerjägerkompanien (Sf) mit je 9-7, 5 cm Panzerjägerkanonen, 6 l.M.G.</p>	<p>Self-propelled antitank battalion in a panzer division, consisting of: Hq with motorized signal platoon</p> <p>3 self-propelled antitank companies, each with nine 75-mm antitank guns, 6 machine guns (bipod)</p>	<p>A tk bn (SP) in a Pz div consisting of: HQ with sig pl (mech)</p> <p>3 A tk coys (SP), each with nine 7.5-cm A tk guns and 6 LMGs</p>
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(2) Example of map symbols










<p>Current      Old</p> 	<p>Marschkolonne von Panzerjägereinheiten</p>	<p>Antitank units in march column</p>	<p>A tk units in coln of route</p>
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**7. ARTILLERY.**<sup>1</sup> Coast artillery headquarters, units, and weapons are indicated by the symbol  placed across the center of the basic symbol concerned.

a. Headquarters

	<p>Stab eines Artillerieregiments.....</p>	<p>Hq of an artillery regiment.....</p>	<p>HQ arty regt</p>
	<p>Stab eines reitenden Artillerieregiments.</p>	<p>Hq of a horse-drawn artillery regiment</p>	<p>HQ horse arty regt</p>

<sup>1</sup> For a classification of German artillery by caliber, see A, sec. IX, par. 1, p. 31, above.

Current	Old	German	U. S.	British
		Stab eines Gebirgsartillerieregiments	Hq of a mountain artillery regiment	HQ mtn arty regt
		Stab eines Artillerieregiments (mot)	Hq of a motorized artillery regiment	HQ arty regt (mech)
		Stab eines Panzerartillerieregiments	Hq of an artillery regiment of a panzer division	HQ arty regt in a Pz div
		Stab eines Küstenartillerieregiments	Hq of a coast artillery regiment	HQ CA regt
		Stab eines Leichtgeschützartillerieregiments	Hq of an artillery regiment with recoilless guns	HQ arty regt of recoilless guns
		Stab einer leichten oder schweren Artillerieabteilung	Hq of a light or heavy artillery battalion	HQ field or med arty bty
		Stab einer leichten oder schweren Artillerieabteilung (mot)	Hq of a motorized light or heavy artillery battalion	HQ field or med arty bty (mech)
		Stab einer leichten oder schweren Panzerartillerieabteilung	Hq of a light or heavy artillery battalion of a panzer division	HQ field or med arty bty in a Pz div
		Stab einer reitenden Artillerieabteilung	Hq of a horse-drawn artillery battalion	HQ horse arty bty



Stab einer Gebirgsartillerieabteilung.. Hq of a mountain artillery battalion.. HQ mtn arty bty



Stab einer Beobachtungsabteilung (mot) Hq of a motorized observation bat- HQ arty svy bty (mech) talion



Stab einer Sturmgeschützabteilung---- Hq of an assault-gun battalion----- HQ assault gun bty



Stab einer Küstenartillerieabteilung--- Hq of a coast artillery battalion----- HQ CA bty



Stab einer Leichtgeschützartillerie- Hq of an artillery battalion with HQ arty bty of recoilless guns abteilung recoilless guns
















Führer einer Batterie----- Hq (or commander) of a battery---- HQ (or comd) of a tp

















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












b. Batteries (Troops). This subparagraph presents symbols for batteries (troops). The number of weapons in the battery (troop) is indicated by numerals (not shown here) placed *below* the symbol. Batteries (troops) consisting of foreign weapons are indicated by letters denoting the country of origin placed to the *right* of the symbol.



Under the old system, artillery pieces of identical caliber but of different type or model are indicated by individual symbols. Since it is not known how artillery pieces in this category are indicated under the new system, the new symbol for the basic model only is shown.

(1) Gun













Current	Old	German	U. S.	British
		Batterie Feldkanonen.....	Battery of field guns (75-mm).....	Tp of 7.5-cm guns
		Batterie F.K. 16 n./A. ....	Battery of field guns 16, new model (75-mm)	Tp of 7.5-cm guns 16, new model
		Batterie l.F.K. 18.....	Battery of light field guns 18 (75-mm)	Tp of 7.5-cm lt fd guns 18
		reitende Batterie F.K. 16 n./A. ....	Horse-drawn battery of field guns 16, new model (75-mm)	Horse arty tp of 7.5-cm guns 16, new model
		Leichtgeschützbatterie.....	Battery of recoilless guns.....	Tp of recoilless guns
		Batterie Gebirgskanone 15.....	Battery of mountain guns 15.....	Tp of mtn guns 15
		Batterie Gebirgsgeschütz 36.....	Battery of mountain guns 36.....	Tp of mtn guns 36
 OR 		Sturmgeschützbatterie 7,5 cm.....	Battery of 75-mm assault guns.....	Tp of 7.5-cm assault guns

10			Batterie 10 cm Kanonen.....	Battery of 100-mm guns.....	Tp of 10-cm guns
			Batterie 10 cm K. 17 und 17/04 n./A. ....	Battery of 100-mm guns 17 and 17/04, new model	Tp of 10-cm guns 17 and 17/04, new model
10			Batterie 10 cm K. 18 (mot).....	Battery of motorized 100-mm guns 18	Tp of 10-cm guns 18 (mech)
12			Küstenbatterie 12 cm Kanonen.....	Battery of 120-mm coast artillery guns	Tp of 12-cm CD guns
15			Batterie 15 cm K. 16 (mot).....	Battery of motorized 150-mm guns 16	Tp of 15-cm guns 16 (mech)
			Batterie 15 cm K. 18 (mot).....	Battery of motorized 150-mm guns 18	Tp of 15-cm guns 18 (mech)
			Batterie 15 cm K. 39 (mot).....	Battery of motorized 150-mm guns 39	Tp of 15-cm 39 (mech)
			Batterie 15 cm K. in Mrs.-Lafette.....	Battery of 150-mm guns on "Mörser" mounts	Tp of 15-cm guns on how mountings
15			Batterie 15 cm K. (E).....	Battery of 150-mm railway guns....	Tp of 15-cm rly guns
17			Batterie 17 cm K. in Mrs.-Lafette.....	Battery of 170-mm guns on "Mörser" mounts	Tp of 17-cm guns on how mountings





















Current	Old	German	U. S.	British
		Batterie 17 cm K.(E)-----	Battery of 170-mm railway guns-----	Tp of 17-cm rly guns
		Batterie 20,3 cm K.(E)-----	Battery of 203-mm railway guns-----	Tp of 20.3-cm rly guns
		Batterie 21 cm K.38 (mot)-----	Battery of motorized 210-mm guns 38.	Tp of 21-cm guns 38 (mech)
		Batterie 21 cm K.39 (mot)-----	Battery of motorized 210-mm guns 39-	Tp of 21-cm guns 39 (mech)
		Batterie K.12(E)-----	Battery of railway guns 12-----	Tp of rly guns 12
		Batterie 24 cm K.(mot)-----	Battery of motorized 240-mm guns..	Tp of 24-cm guns (mech)
		Batterie K.3 (mot)-----	Battery of motorized guns 3-----	Tp of K3 guns (mech)
		Batterie 24 cm Theodor bzw. Theodor- Bruno K.(E)	Battery of 240-mm "Theodor" or "Theodor-Bruno" type railway guns	Tp of 24-cm Theodor or Theodor-Bruno rly guns
		Batterie 28 cm kurze, lange oder schwere Bruno K.(E)	Battery of 280-mm short, long, or heavy "Bruno" type railway guns	Tp of 28-cm short, long or hy Bruno rly guns

		Batterie K.5(E) oder Bruno N. Kanonen (E)	Battery of railway guns 5 or "Bruno N." type railway guns	Tp of K5 or Bruno N. rly guns
30,5		Batterie 30,5 cm K. (ortsfest)	Battery of 305-mm fixed guns	Tp of 30.5-cm guns (static)












(2) *Howitzer*










10,5			Batterie leichte Feldhaubitzen	Battery of light field howitzers (105-mm)	Tp of 10.5-cm gun-hows
10,5			Batterie le.F.H. auf Selbstfahrlafette	Battery of self-propelled light field howitzers (105-mm)	Tp of 10.5-cm SP gun-hows
			Batterie le.F.H. 16	Battery of light field howitzers 16 (105-mm)	Tp of 10.5-cm gun-hows 16
			Batterie le.F.H. 18	Battery of light field howitzers 18 (105-mm)	Tp of 10.5-cm gun-hows 18
10,5			Batterie le.F.H. 18 (mot)	Battery of motorized light field howitzers 18 (105-mm)	Tp of 10.5-cm gun-hows 18 (mech)
12			Batterie 12 cm Haubitzen	Battery of 120-mm howitzers	Tp of 12-cm hows
15			Batterie schwere Feldhaubitzen	Battery of heavy field howitzers (150-mm)	Tp of 15-cm hows



Current	Old	German	U. S.	British
15l 		Batterie lg. s.F.H. 13-----	Battery of long-barreled heavy field howitzers 13 (150-mm)	Tp of 15-cm long-barrelled hows 13
15 		Batterie s.F.H. 18 (mot)-----	Battery of motorized heavy field howitzers 18 (150-mm)	Tp of 15-cm hows 18 (mech)
21 		Batterie 21 cm Mörser (mot)-----	Battery of motorized 210-mm heavy high-angle howitzers	Tp of 21-cm hy high-angle hows (mech)
21l 		Batterie lg. 21 cm Mrs. (mot)-----	Battery of motorized 210-mm long-barreled heavy high-angle howitzers	Tp of 21-cm long-barrelled hy high-angle hows (mech)
		Batterie 21 cm Mrs. 18 (mot)-----	Battery of motorized 210-mm heavy high-angle howitzers 18	Tp of 21-cm hy high-angle hows 18 (mech)
24 		Batterie 24 cm Haub. 39 (mot)-----	Battery of motorized 240-mm howitzers 39	Tp of 24-cm hows 39 (mech)
30,5 		Batterie 30.5 cm Mrs. (mot)-----	Battery of motorized 305-mm super-heavy high-angle howitzers	Tp of 30.5-cm hy high-angle hows (mech)
		Batterie M 1 (35 cm) (mot)-----	Battery of motorized M 1 (350-mm) superheavy high-angle howitzers	Tp of 35-cm hy high-angle hows M1 (mech)
42 		Batterie 42 cm Haubitzen-----	Battery of 420-mm howitzers-----	Tp of 42-cm hows
42 		Batterie Gamma-Mrs.-----	Battery of 420-mm "Gamma" super-heavy high-angle howitzers	Tp of "Gamma" 42-cm hy high-angle hows

### c. Other Units

		Abteilung leichte Feldhaubitzen (10,5 cm)	Battalion of 105-mm light field howitzers	Bty of 10.5-cm gun-hows
		Abteilung schwere Feldhaubitzen (15 cm) (in Stellung)	Battalion of 150-mm heavy field howitzers (in position)	Bty of 15-cm hows (in posn)
		Stabsbatterie eines Artillerieregiments oder einer Artillerieabteilung	Hq battery of an artillery regiment or battalion	HQ tp in an arty regt or bty
		Stabsbatterie (mot) eines Artillerieregiments (mot) oder einer Artillerieabteilung (mot)	Motorized Hq battery of a motorized artillery regiment or battalion	HQ tp (mech) in an arty regt or bty (mech)
		Stabsbatterie eines Gebirgsartillerieregiments oder einer Gebirgsartillerieabteilung	Hq battery of a mountain artillery regiment or battalion	HQ tp in a mtn arty regt or bty
		Stabsbatterie eines reitenden Artillerieregiments oder einer reitenden Artillerieabteilung	Hq battery of a horse-drawn artillery regiment or battalion	HQ tp in a horse arty regt or bty
		Stabsbatterie (mot) eines Panzerartillerieregiments oder einer Panzerartillerieabteilung	Motorized Hq battery of a panzer artillery regiment or battalion	HQ tp (mech) in an armd arty regt or bty
		Stabsbatterie (mot) einer Beobachtungsabteilung (mot)	Motorized Hq battery of a motorized observation battalion	HQ tp (mech) in an arty svy bty (mech)
		Stabsbatterie (Sf) einer Sturmgeschützabteilung (Sf)	Self-propelled Hq battery of a self-propelled assault-gun battalion	HQ tp (SP) in an (SP) assault-gun bty

Current	Old	German	U. S.	British
		Schallmessbatterie (mot)-----	Motorized sound-ranging battery---	S rg tp (mech)
		Lichtmessbatterie (mot)-----	Motorized flash-ranging battery----	F sp tp (mech)
		Lichtmessbatterie (mot) mit Ballonzug--	Motorized flash-ranging battery with observation balloon section	F sp tp (mech) with balloon sec
		Vermessungsbatterie (mot)-----	Motorized artillery survey battery--	Svy tp (mech)
		Beobachtungsbatterie (mot) (Pz)-----	Motorized panzer observation bat- tery	Armd arty svy tp (mech)
		Ballonbatterie (mot)-----	Motorized observation balloon bat- tery	Balloon tp (mech)
		Nachrichtenzug des Stabes einer Artil- lerieregiments oder einer Artillerie- abteilung	Signal platoon of Hq of an artillery regiment or battalion	Sig sec at HQ of an arty regt or bty
		Nachrichtenzug (mot) des Stabes eines Artilleriesregiments (mot) oder einer Artillerieabteilung (mot) oder einer Beobachtungsabteilung (mot)	Motorized signal platoon of Hq of a motorized artillery regiment, bat- talion, or observation battalion	Sig sec (mech) at HQ of an arty regt (mech) or bty or an arty svy bty (mech)
		Nachrichtenzug eines Gebirgsartil- lerieregiments oder einer Gebirgs- artillerieabteilung	Signal platoon of a mountainartil- lery regiment or battalion	Sig sec in a mtn arty regt or bty



leichte Artilleriekolonne..... Artillery light transport column..... Lt arty coln



leichte Artilleriekolonne (mot)..... Artillery motorized light transport column..... Lt arty coln (mech)



Artillerie-Kraftzugstaffel d..... Towed artillery train "d"..... Arty tractor ech d



Tragtierstaffel einer leichten Artillerieabteilung einer Geb. Div. Pack train of a light artillery battalion of a mountain division Pack tpt ech in a lt arty bty in a mtn div



Tragtierstaffel einer schweren Artillerieabteilung (mot) einer Geb. Div. Pack train of a motorized heavy artillery battalion of a mountain division Pack tpt ech in a med arty bty (mech) in a mtn div



Druckereitrupp (mot)..... Motorized printing detachment..... Printing subsec (mech)









Artillerievermessungstrupp..... Artillery survey detachment..... Arty svy subsec



Gebirgsartillerievermessungstrupp..... Mountain artillery survey detachment..... Mtn arty svy subsec



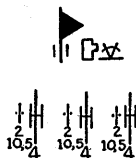
Artillerievermessungstrupp (mot)..... Motorized artillery survey detachment..... Arty svy subsec (mech)

Current	Old	German	U. S.	British
		Wettertrupp (mot)-----	Motorized meteorological detachment	Met subsec (mech)
		Wetterzug (mot)-----	Motorized meteorological platoon---	Met sec (mech)
		Wetterpeilzug (mot)-----	Motorized meteorological platoon (air currents and air pressures)	Met sec (mech) (air currents and air pressures)
		leichter V <sub>o</sub> —Messtrupp (mot)-----	Motorized light calibration detachment	Lt calibration subsec (mech)
		schwerer V <sub>o</sub> —Messzug (mot)-----	Motorized heavy calibration platoon-	Med calibration sec (mech)
		Vermessungs- und Einschiesszug (mot)-	Motorized survey and zeroing platoon	Svy and ranging sec (mech)

#### d. Organization

##### (1) *Example of a diagrammatic table of organization*

New



Abteilung leichte Feldhaubitzen zu:	Battalion of light field howitzers, consisting of:	Fd bty, consisting of:
Stab mit Nachrichtenzug, Artillerievermessungstrupp	Hq with signal platoon and artillery survey detachment	HQ with sig sec and arty svy subsec
3 Batterien l.F.H. 18 mit je 4 Geschützen, 2 l.M.G.	3 batteries of light field howitzers 18, each with 4 pieces and 2 machine guns (bipod)	3 tps of gun-hows 18, each with 4 pieces and 2 LMGs

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(2) *Example of map symbols*

Current    Old



Marschkolonne von Artillerieeinheiten. Artillery units in march column..... Arty in coln of route

---

e. Positions

	A	Beobachtungsstelle.....	Artillery observation post.....	Arty OP
		Lichtmesstelle.....	Flash-ranging station.....	F sp post
		Schallmesstelle.....	Sound-ranging station.....	S rg post
		Vorwarnerstelle.....	Advance post in sound ranging.....	Adv sta of S rg tp
		Protzenstellung.....	Limber position.....	WL









**8. ANTI-AIRCRAFT ARTILLERY.** The following symbols refer to *Heeresflak* (Army anti-aircraft artillery). Symbols for *Fla* (infantry anti-aircraft) headquarters, units, and weapons will be found under "Infantry" (par. 1, p. 41, above), "Motorized and Armored Infantry" (par. 2, p. 49, above), and "Mountain Infantry" (par. 3, p. 57, above).

a. Headquarters

Current	Old	German	U. S.	British
		Stab einer Flakabteilung (mot) -----	Hq of a motorized anti-aircraft battalion	HQ AA bty (mech)
		Stab einer schweren Flakabteilung (mot Z)	Hq of a heavy anti-aircraft battalion with towed weapons	HQ HAA bty (tractor-drawn)
		Stab einer Flakscheinwerferabteilung (mot)	Hq of a motorized anti-aircraft search-light battalion	HQ AA SL bty (mech)



b. Units

		Flakbatterie 2 cm (mot Z) -----	20-mm anti-aircraft battery with towed weapons	2-cm AA tp (tractor-drawn)
		Flakbatterie 5 cm (mot Z) -----	50-mm anti-aircraft battery with towed weapons	5-cm AA tp (tractor-drawn)
		Flakbatterie 8,8 cm (mot Z) -----	88-mm anti-aircraft battery with towed weapons	8.8-cm AA tp (tractor-drawn)

		Flakbatterie 10,5 cm (mot Z)-----	105-mm antiaircraft battery with towed weapons	10.5-cm AA tp (tractor-drawn)
		Stabsbatterie (mot) einer Flakabteilung (mot)	Motorized Hq battery of a motorized antiaircraft battalion	HQ tp (mech) in an AA bty (mech)
		Flakscheinwerferbatterie (mot)-----	Motorized antiaircraft searchlight battery	AA SL tp (mech)
		Flakkolonne (mot)-----	Antiaircraft motorized light transport column	Lt AA coln (mech)
		Nachrichtenzug (mot) der Flakartillerie	Motorized signal platoon of antiaircraft artillery	AA sig sec (mech)









## 9. SURVEY AND MAP REPRODUCTION

### a. Headquarters

	Stab einer Vermessungs- und Kartenabteilung (mot)	Hq of a motorized survey and map-reproduction battalion	HQ svy and map-reproduction bty (mech)
	Stab Felddruckerei O.K.H. (mot)-----	Hq of motorized field printing press at the High Command of the Army	HQ fd printing press (mech) at Army GHQ



## b. Units

Current	German	U. S.	British
	Vermessungsbatterie (mot)-----	Motorized survey battery-----	Svy tp (mech)
	Vermessungszug (mot)-----	Motorized survey platoon-----	Svy sec (mech)
	Auswertezug (mot)-----	Motorized plotting platoon-----	Plotting sec (mech)
	Hochbauzug (mot)-----	Motorized construction platoon---	Hy constr pl (mech)
	Bildzug (mot)-----	Motorized photographic platoon---	Ph sec (mech)
	Astronomischer Messtrupp (mot)-----	Motorized astronomical survey de- tachment.	Astronomical svy subsec (mech)
	Mil. Geographengruppe-----	Military geographers' section-----	Sec of mil geographers
	Druckstaffel der Felddruckerei O.K.H. (mot)	Motorized printing detachment of the field printing press at the High Command of the Army	Printing det of fd printing press at Army GHQ (mech)



Druckereizug (mot)----- Motorized printing platoon----- Printing sec (mech)



Kartenbatterie (mot)----- Motorized map-reproduction com- Map-reproduction tp (mech)  
pany



Kartenstelle (mot) einer Armee----- Motorized map-reproduction office Map-reproduction office (mech)  
of an army at an army



Kartenstelle (mot) einer Panzerarmee-- Motorized map-reproduction office Map-reproduction office (mech)  
of a panzer army at a Pz army



Kartenstelle (mot) eines Korps----- Motorized map-reproduction office Map-reproduction office (mech)  
of a corps at a corps



Kartenstelle (mot) einer Division----- Motorized map-reproduction office Map-reproduction office (mech)  
of a division at a div



Kartenstelle (mot) einer Panzerdivision Motorized map-reproduction office Map-reproduction office (mech)  
of a panzer division at a Pz div

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### c. Installations



Armeekartenlager (bodenständig)----- Stationary map depot of an army-- Army map store (static)











O.K.H. Kartenlager----- Map depot of the High Command Army GHQ map store  
of the Army



Kriegskarten- und Vermessungsamt--- Military map and survey office----- Mil map and svy office





**10. CHEMICAL WARFARE (SMOKE).** Units formerly called *Nebelwerfer* have been renamed *Werfer*. They include both smoke-mortar and rocket-projector units.














a. Headquarters

Current	Old	German	U. S.	British
		Stab eines Werferregiments.....	Hq of a projector regiment.....	HQ smoke regt
		Stab einer Werferabteilung.....	Hq of a projector battalion.....	HQ smoke bty
		Stab einer Gebirgswerferabteilung.....	Hq of a mountain pack projector battalion	HQ mtn smoke bty (pack tpt)
		Stab einer Entgiftungsabteilung.....	Hq of a decontamination battalion....	HQ deen bty

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b. Units

	Abteilung eines Werferregiments.....	Battalion of a projector regiment.....	Smoke bty
	Werferabteilung (selbstständig).....	Projector battalion (separate).....	Indep smoke bty
	Entgiftungsabteilung.....	Decontamination battalion.....	Deen bty
	Batterie Nebelwerfer 35 (mot).....	Battery of motorized smoke projec- tors 35 (100-mm)	Smoke tp (mech) equipped with smoke mortar 35

		Batterie Gebirgsnebelwerfer 35 (T)-----	Battery of mountain pack smoke projectors 35 (100-mm)	Smoke tp (pack tpt) equipped with mtn smoke mortar 35
		Batterie Nebelwerfer 40 (mot Z)-----	Battery of towed smoke projectors 40 (100-mm)	Smoke tp (tractor-drawn) equipped with smoke mortar 40
		Batterie 15 cm Nebelwerfer 41 (mot Z)-----	Battery of 150-mm towed smoke projectors 41	Smoke tp (tractor-drawn) equipped with 15-cm rocket projector 41
		Batterie 28/32 cm <sup>1</sup> Nebelwerfer 41 (mot Z)-----	Battery of 28/32-cm towed smoke projectors 41	Smoke tp (tractor-drawn) equipped with 28/32-cm rocket projector 41
		Entgiftungsbatterie (mot)-----	Motorized decontamination battery--	Decon tp (mech)
		Gasspürhundebatterie (mot)-----	Motorized battery employing dogs for gas detection	Gas detection tp (mech) with dogs
		Stabsbatterie (mot) eines Werferregiments und einer Werferabteilung-----	Motorized Hq battery of a projector regiment or battalion	HQ tp (mech) in a smoke regt or bty
		leichte Werferkolonne (mot)-----	Projector motorized light transport column	Lt smoke coln (mech)
		leichte Gebirgswerferkolonne (mot)-----	Mountain projector motorized light transport column	Lt mtn smoke coln (mech)

<sup>1</sup> The double reference 28/32 cm indicates the caliber of the gun at the muzzle and at the breech (tapered bore).



**German**

leichte Werferkolonne s (mot)-----

**U. S.**

Projector motorized light transport column "s"

**British**

Lt smoke coln s (mech)



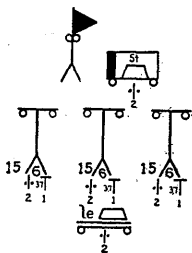
leichte Entgiftungskolonne (mot)-----

Motorized light transport column of decontamination equipment

Lt deen coln (mech)

### c. Example of a Diagrammatic Table of Organization

New



Werferabteilung zu:

Stab mit Stabsbatterie mit 2 l. M. G.

3 Batterien mit je 6-15 cm Nebelwerfer 1-3,7 cm Pak, 2 l.M.G.

le. Werferkolonne mit 2 l.M.G.----

Projector battalion, consisting of:

Hq with Hq battery with 2 machine guns (bipod)

3 batteries, each with six 150-mm smoke projectors, one 37-mm antitank gun, 2 machine guns (bipod)

Projector light transport column with 2 machine guns (bipod)

Smoke bty, consisting of:








HQ with HQ tp with 2 LMGs

3 tps, each with six 15-cm rocket projectors, one 3.7-cm A tk gun, 2 LMGs









Lt coln with 2 LMGs

# 11. ENGINEERS

## a. Headquarters

Current	German	U. S.	British
	Stab eines Pionierregiments (mot)-----	Hq of a motorized engineer regiment--	HQ engr regt (mech)
	Stab eines Pionierbataillons (tmot)-----	Hq of a partly motorized engineer battalion	HQ engr bn (part mech)
	Stab eines Pionierbataillons (mot)-----	Hq of a motorized engineer battalion--	HQ engr bn (mech)
	Stab eines Panzerpionierbataillons-----	Hq of a panzer engineer battalion---	HQ armd engr bn
	Stab eines Gebirgspionierbataillons (tmot)	Hq of a partly motorized mountain engineer battalion	HQ mtn engr bn (part mech)
	Stab eines Brückenbaubataillons (tmot)	Hq of a partly motorized bridge- construction battalion	HQ br building bn (part mech)
	Führer einer Pionierkompanie-----	Hq (or commander) of an engineer company	HQ (or comd) of an engr coy

## b. Units

Current	German	U. S.	British
	Pionierbataillon.....	Engineer battalion.....	Engr bn
	Pionierkompanie.....	Engineer company.....	Engr coy
	Pionierkompanie (mot).....	Motorized engineer company.....	Engr coy (mech)
	Gebirgspionierkompanie.....	Mountain engineer company.....	Mtn engr coy
	leichte Pionierkompanie (mot) eines Panzerpionierbataillons	Motorized light engineer company of a panzer engineer battalion	Lt engr coy (mech) in an armd engr bn
	Panzerpionierkompanie eines Panzer- pionierbataillons	Panzer engineer company of a panzer engineer battalion	Armd engr coy in an armd engr bn
	Pionierkompanie (gep) eines Panzer- pionierbataillons	Armored (half-track) engineer com- pany of a panzer engineer battalion	Engr coy (armd) in an armd engr bn
	Pionierkompanie auf Fahrrädern.....	Engineer bicycle company.....	Engr cyclist coy



Sturmbootkompanie..... Assault boat company..... Assault boat coy



Pionierlandungskompanie..... Engineer landing company..... Engr ldg coy



Brückenbaukompanie..... Bridge-construction company..... Engr br building coy



Pionierparkkompanie..... Engineer equipment park company.. Engr pk coy



Pioniermaschinenzug (mot)..... Motorized engineer machine-shop platoon  
Engr machine pl (mech)



Nachrichtenzug (mot) der Pioniere.... Motorized engineer signal platoon... Engr sig pl (mech)



Nachrichtenzug eines Gebirgspionier- Signal platoon of a partly motorized  
bataillons (tmot) mountain engineer battalion Sig pl in a mtn engr bn (part  
mech)



Brückenkolonne (mot) B-Gerät, (C- Motorized bridging column with B- Br coln B (etc.) (mech)  
Gerät, D-Gerät, K-Gerät usw.) equipment (C-equipment, D-  
equipment, K-equipment, etc.)












Brückenkolonne T-Gerät..... Bridging column with T-equipment... Br coln T



leichte Pionierkolonne..... Engineer light transport column..... Lt engr coln



Current	German	U. S.	British
	leichte Pionierkolonne (mot)-----	Engineer motorized light transport column	Lt engr coln (mech)
	leichte Pionierkolonne (mot) eines Panzerpionierbataillons	Engineer motorized light transport column of a panzer engineer battalion	Lt engr coln (mech) in an armd engr bn
	leichte Gebirgspionierkolonne (mot)---	Mountain engineer motorized light transport column	Lt mtn engr coln (mech)
	kleine Pionierkraftwagenkolonne-----	Engineer light motor vehicle transport column	Small engr MT coln
	Einheit leichtes zerlegbares Brückengerät	Sectional bridging equipment unit---	Unit of sectional br eqpt
	Einheit leichtes zerlegbares Brückengerät mit Begleitkommando	Sectional bridging equipment unit with escort detachment	Unit of sectional br eqpt with protective det
	Einheit Herbertgerät-----	"Herbert" bridging equipment unit--	Unit of "Herbert" br eqpt
	Einheit Herbertgerät mit Begleitkommando	"Herbert" bridging equipment unit with escort detachment	Unit of "Herbert" br eqpt with protective det
	Einheit schweres Schiffsbrückengerät--	Heavy ponton bridging equipment unit	Unit of hy pontoon br eqpt



Einheit schweres Schiffsbrückengerät  
mit Begleitkommando

Heavy ponton bridging equipment  
unit with escort detachment

Unit of hy pontoon br eqpt  
with protective det



Geräteinheit Brückenkolonne B.....

Equipment unit for B bridging col-  
umn

Eqpt unit for br coln B



Geräteinheit Brückenkolonne B mit  
Begleitkommando

Equipment unit for B bridging col-  
umn with escort detachment

Eqpt unit for br coln B with  
protective det



Kraftzugstaffel einer Brückenkolonne  
B

Prime mover train of a B bridging  
column

Tractor ech for br coln B

## 12. FIELD WATERWAY TROOPS

### a. Headquarters



Stab einer Feldwasserstrassenräum-  
abteilung

Hq of a field waterway clearing  
battalion

HQ fd waterways clearing  
unit

### b. Units



Räumkompanie.....

Field waterway clearing company....

Fd waterways clearing coy



Feldwasserstrassenabteilung.....

Field waterway maintenance bat-  
talion

Fd waterways unit






Aussenstelle einer Feldwasserstrassen-  
abteilung

Branch station of a field waterway  
maintenance battalion





Outsta of a fd waterways unit

### 13. FORTRESS ENGINEERS

#### a. Headquarters

Current	Old	German	U. S.	British
		Festungspionierstab.....	Fortress engineer staff (regimental status)	Fortress engr staff (regt status)
		Festungspionierabschnittsgruppe.....	Hq of a fortress engineer sector group (battalion status)	HQ fortress engr sector gp
		Stab Festungsbaubataillon.....	Hq of a fortress construction battalion	HQ fortress constr bn

#### b. Units

		Festungsbaukompanie.....	Fortress construction company.....	Fortress constr coy
		Festungsbetonbaukompanie.....	Fortress concrete construction company	Fortress concrete constr coy
		Gesteinsbohrkompanie.....	Rock-drilling company.....	Rock-drilling coy
		Stollenbaukompanie.....	Tunnel construction company.....	Tunnelling coy



Technische Kompanie..... Technical company..... Tech coy



Festungspionierparkkompanie..... Fortress engineer equipment park  
company Fortress engr pk coy



Festungsbaukolonne (mot)..... Fortress construction motorized  
transport column Fortress constr coln (mech)



Festungsscheinwerferzug..... Fortress searchlight platoon..... Fortress SL pl



Wehrgeologenruppe..... Military geological section..... Mil geological sec








Festungspionierpark..... Fortress engineer equipment park... Fortress engr pk



Heimatfestungspionierpark..... Fortress engineer equipment park in  
the zone of the interior Home fortress engr pk



# 14. TECHNICAL TROOPS

## a. Headquarters

Current	German	U. S.	British
	Stab eines Kommandeurs der Technischen Truppen (mot)	Hq of a commander of motorized technical troops (regimental status)	HQ of comd of tech tps (mech) (regt status)
	Stab eines Technischen Bataillons (mot)	Hq of a motorized technical battalion	HQ tech bn (mech)
	Stab eines Technischen Bataillons "Mineralöl" (mot)	Hq of a motorized technical "crude oil" battalion	HQ tech bn (mech) for mineral oil
	Stab eines Technischen Bataillons "Bergbau" (mot)	Hq of a motorized technical "mining" battalion	HQ mining bn (mech)
	Stab einer Technischen Abteilung (mot)	Hq of a motorized technical battalion	HQ tech unit (mech)

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## b. Units

	Technisches Bataillon (mot)	Motorized technical battalion	Tech bn (mech)
	Technische Kompanie "Elektrizität" (mot)	Motorized technical "electricity" company	Electricity coy (mech)



Technische Kompanie "Bergbau-Tiefbau" (mot)

Motorized technical "subterranean mining" company

Underground mining coy (mech)



Technische Kompanie "Bergbau-Tagebau" (mot)

Motorized technical "open-pit mining" company

Open cast mining coy (mech)



Technische Kompanie "Mineralöl A" (mot)

Motorized technical "crude oil A" company

Mineral oil A coy (mech)



Technische Kompanie "Mineralöl B" (mot)

Motorized technical "crude oil B" company

Mineral oil B coy (mech)



Technische Kompanie (mot) einer Technischen Abteilung (mot)

Motorized technical company of a motorized technical battalion

Tech coy (mech) in a tech unit (mech)



leichte Technische Kolonne (mot)-----

Technical light transport column-----

Lt coln in a tech unit (mech)







Technischer Zug einer Technischen Kompanie "Elektrizität" (mot)

Technical platoon of a motorized technical "electricity" company



Tech pl in a tech electricity coy (mech)

As in the case of technical companies of a technical battalion, platoons are further characterized by the addition of the same supplementary letters *GW*, *B<sup>T</sup>*, *B<sub>T</sub>*, *MA*, and *MB*.

Current.	German	U. S.	British
	bautechnischer Zug (mot) einer Technischen Abteilung (mot)	Motorized technical construction platoon of a motorized technical battalion	Tech constr pl (mech) in a tech unit (mech)
	maschinentechnischer Zug (mot) einer Technischen Abteilung (mot)	Motorized technical machine-shop platoon of a motorized technical battalion	Tech machine pl (mech) in a tech unit (mech)
	betriebstechnischer Zug (mot) einer Technischen Abteilung (mot)	Motorized technical operations platoon of a motorized technical battalion	Tech op pl (mech) in a tech unit (mech)
	Technischer Trupp "Elektrizität" (mot) eines Technischen Bataillons	Motorized technical "electricity" detachment of a technical battalion.	Tech electricity sec (mech) in a tech bn

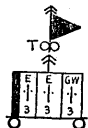
102

Other detachments (sections) are characterized in the same manner as platoons or companies by the addition of supplementary letters.

	Elektrizität-Trupp (mot) einer Technischen Abteilung (mot)	Motorized electricity detachment of a motorized technical battalion	Electricity sec (mech) in a tech unit (mech)
	Gas-Wasser-Trupp (mot) einer Technischen Abteilung (mot)	Motorized gas and water detachmt of a motorized technical battalion	Gas & water sec in a tech unit (mech)

### c. Examples of Diagrammatic Tables of Organization

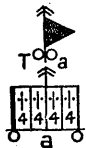
New



Technisches Bataillon (mot) zu:  
 Stab  
 2 Technischen Kompanien "Elektrizität" (mot) mit je 3 I.M.G.  
 Technische Kompanie "Gas-Wasser" (mot) mit 3 I.M.G.

Motorized technical battalion, consisting of:  
 Hq  
 2 motorized technical "electricity" companies, each with 3 machine guns (bipod)  
 Motorized technical "gas and water" company with 3 machine guns (bipod)

Tech bn (mech), consisting of:  
 HQ  
 2 tech electricity coys (mech), each with 3 LMGs  
 Tech gas & water coy (mech) with 3 LMGs



Technische Abteilung (mot) zu:  
 Stab  
 4 Technischen Kompanien mit je 4 I.M.G.

Motorized technical battalion, consisting of:  
 Hq  
 4 technical companies, each with 4 machine guns (bipod)

Tech unit (mech), consisting of:  
 HQ  
 4 tech coys (mech), each with 4 LMGs

**15. CONSTRUCTION ENGINEERS.** Construction engineers (*Baupioniere*) were formerly called construction troops (*Baustruppen*).

#### a. Headquarters

Current



Pionierregimentsstab z.b.V. (formerly Kommandeur der Baustruppen)

Engineer regimental staff for special employment (formerly commander of construction troops)

Engr regtl staff for special employment (formerly comd constr tps)







Stab eines Baupionierbataillons

Hq of a construction engineer battalion

HQ constr engr bn





## b. Units





Current	German	U. S.	British
	Baupionierkompanie.....	Construction engineer company.....	Constr engr coy
	Betonbaupionierkompanie.....	Concrete construction engineer company	Concrete constr engr coy
	Baupionierkolonne.....	Construction engineer transport column	Tpt coln of a constr engr unit
	Baupionierkolonne (mot).....	Construction engineer motorized transport column	Tpt coln (mech) of a constr engr unit

**16. (ROAD) CONSTRUCTION ENGINEERS.** These are part of the construction engineers and now have identical nomenclature with them.

### a. Headquarters





	Stab eines (Strassen)baupionierbataillions	Hq of a (road) construction engineer battalion	HQ (rd) constr engr bn
	Stab eines leichten Radfahr- (Strassen)baupionierbataillons	Hq of a light bicycle (road) construction engineer battalion	HQ lt cyclist (rd) constr engr bn

## b. Units










Str		(Strassen)baupionierkompanie-----	(Road) construction engineer company	(Rd) constr engr coy
Str		(Strassen)baupionierkompanie (tmot)	Partly motorized (road) construction engineer company	(Rd) constr engr coy (part mech)
Str		leichte Radfahrnierenkompanie (Strassen)baupionierkompanie	Light bicycle (road) construction engineer company	Lt cyclist (rd) constr engr coy
Str		Gerätstaffel (tmot) eines (Strassen)baupionierbataillons	Partly motorized equipment train of a (road) construction engineer battalion	Eqpt coln (part mech) in a (rd) constr engr bn

## 17. RAILWAY ENGINEERS

### a. Headquarters

		Stab eines Eisenbahnpionierregiments (mot)	Hq of a motorized railway engineer regiment	HQ rly engr regt (mech)
		Stab eines Eisenbahnpionierbataillons (mot)	Hq of a motorized railway engineer battalion	HQ rly engr bn (mech)
		Stab eines Eisenbahnbrückenbau- bataillons (tmot)	Hq of a partly motorized railway bridge construction battalion	HQ rly br building bn (part mech)
		Stab eines Eisenbahnbaubataillons----	Hq of a railway construction battalion	HQ rly constr bn

b. Units

Current	German	U. S.	British
	Eisenbahnpionierbataillon (mot)-----	Motorized railway engineer battalion	Rly engr bn (mech)
	Eisenbahnpionierkompanie (mot)-----	Motorized railway engineer company	Rly engr coy (mech)
	Eisenbahnpionierkompanie (tmot)-----	Partly motorized railway engineer company	Rly engr coy (part mech)
	Eisenbahnbaukompanie-----	Railway construction company-----	Rly constr coy
	Pfeilerbaukompanie-----	Railway (bridge) pier construction company	Rly pier constr coy
	Eisenbahnfernsprechkompanie-----	Railway telephone company-----	Rly phone coy
	Eisenbahnstellwerkkompanie-----	Railway signal control company	Rly signalling coy
	Eisenbahnwasserstationskompanie-----	Railway water supply point company	Rly water pt coy
	Feldbahnkompanie-----	Field railway company-----	Fd rly coy



Eisenbahnbetriebskompanie..... Railway operating company..... Rly op coy



Komp. Eisenbahnbrückenbaubataillon.. Company of a railway bridge construction battalion Coy of a rly br building bn



Parkkomp. Eisenbahnbrückenbaubataillon Equipment park company of a railway bridge construction battalion Pk coy of a rly br building bn



Komp. Eisenbahnbaubataillon..... Company of a railway construction battalion Coy of a rly constr bn



Eisenbahnpionierparkkompanie..... Railway engineer equipment park company Rly engr pk coy



Eisenbahnpioniermaschinenzug (mot).. Motorized railway engineer machine-shop platoon Rly engr machine pl (mech)





Seilbahnkommando..... Cable railway staff (company status) HQ cable rly staff (coy status)





Seilbahntrupp..... Cable railway detachment..... Cable rly sec



Eisenbahnunterwasserschneidetrupp... Railway detachment for under-water welding Rly underwater welding sec



Current	German	U. S.	British
	Eisenbahnponierkolonne (mot)-----	Railway engineer motorized transport column	Rly engr coln (mech)
	Kolonne Eisenbahnbaubataillon (tmot) .	Partly motorized transport column of a railway construction battalion	Tpt coln of a rly constr bn (part mech)

### c. Installations

	Eisenbahnkriegsbrücke (unter Beifügung der Systembezeichnung unter dem taktischen Zeichen, z.B.: R. W., R. W. U., R. W. K.)	Military railway bridge (letters placed below the tactical symbol indicate the type of standard railway bridging equipment employed: e. g., Roth-Wagner, Roth-Wagner-Ungarn, Roth-Wagner-Krupp)	Mil rly br (letters placed below the tactical symbol indicate the type of standard railway bridging equipment employed: e. g., Roth-Wagner, Roth-Wagner-Ungarn, Roth-Wagner-Krupp)
	Eisenbahnponierpark-----	Railway engineer equipment park----	Rly engr pk

**18. RAILWAY OPERATING TROOPS.** Railway operating troops (*Eisenbahnbetriebstruppe*) were formerly called field railway troops (*Feldeisenbahntruppe*).

#### a. Headquarters

	Stab eines Eisenbahnbetriebskommandos	Hq of a railway operating staff (regimental status)	HQ rly op staff (regt status)
	Stab einer Eisenbahnbetriebsabteilung	Hq of a railway operating battalion--	HQ rly op unit



Stab einer Eisenbahnbetriebsmaschi-  
nenabteilung

Hq of a railway operating machine-  
shop battalion

HQ rly op machine unit



Stab einer Eisenbahnbetriebswerkstät-  
tenabteilung

Hq of a railway operating repair-  
shop battalion

HQ rly op wksp unit

### b. Units



Eisenbahnbetriebskompanie

Railway operating company

Rly op coy



Eisenbahnbetriebsmaschinenkompanie

Railway operating machine-shop  
company

Rly op machine coy



Eisenbahnbetriebswerkstättenkom-  
panie

Railway operating repair-shop com-  
pany

Rly op wksp coy

### c. Installations



Aussenstelle eines Eisenbahnbetriebs-  
kommandos

Branch station of a railway operating  
staff (regimental status)



Outsta of a rly op staff (regt  
status)



Aussenstelle einer Eisenbahnbetriebs-  
abteilung







Branch station of a railway operating  
battalion

Outsta of a rly op unit

Current	German	U. S.	British
	Aussenstelle einer Eisenbahnbetriebs- maschinenabteilung	Branch station of a railway operating machine-shop battalion	Outsta of a rly op machine unit
	Aussenstelle einer Eisenbahnbetriebs- werkstättenabteilung	Branch station of a railway operating repair-shop battalion	Outsta of rly op wksp unit

## 19. SIGNAL TROOPS<sup>1</sup>

### a. Headquarters

	Stab eines Führungsnachrichtenregi- ments (mot)	Hq of a motorized signal regiment of the High Command of the Army	HQ GHQ sigs regt (mech)
	Stab eines Heeresgruppennachrichten- regiments (mot)	Hq of a motorized signal regiment of an army group	HQ army gp sigs regt (mech)
	Stab eines Armeenachrichtenregi- ments (mot)	Hq of a motorized signal regiment of an army	HQ army sigs regt (mech)
	Nachrichtenregimentsstab z.b.v. (mot)	Hq of a motorized signal regiment for special employment	HQ sigs regt (mech) for special employment
	Stab eines Panzerarmeenachrichten- regiments	Hq of a signal regiment of a panzer army	HQ Pz army sigs regt (mech)
	Stab eines Eisenbahnnachrichtenregi- ments (mot)	Hq of a motorized railway signal regi- ment	HQ rly sigs regt (mech)

<sup>1</sup> For additional signal symbols, see C, sec. I, par. 2, p. 160, and C, sec. III, p. 169, below.



Stab eines Kommandeurs der Nachrichtenenaufklärung (mot)

Hq of a commander of motorized signal intelligence troops

Hq comd of sigs intercept tps (mech)



Stab eines Festungsnachrichtenkommandeurs

Hq of a fortress signal commander

HQ fortress sigs comd



Stab einer Führungsnachrichtenabteilung (mot)

Hq of a motorized signal battalion of the High Command of the Army

HQ GHQ sigs bn (mech)



Stab einer Heeresgruppennachrichtenabteilung (mot)

Hq of a motorized signal battalion of an army group

HQ army gp sigs bn (mech)



Stab einer Armeenachrichtenabteilung (mot)

Hq of a motorized signal battalion of an army

HQ army sigs bn (mech)



Stab einer Korpsnachrichtenabteilung (mot)

Hq of a motorized signal battalion of a corps

HQ corps sigs bn (mech)



Stab einer Infanteriedivisionsnachrichtenabteilung (mot)

Hq of a motorized signal battalion of an infantry division

HQ inf div sigs bn (mech)



Nachrichtenabteilungsstab z.b.V. (mot)

Hq of a motorized signal battalion for special employment

HQ sigs bn (mech) for special employment



Stab einer Panzerdivisionsnachrichtenabteilung

Hq of a signal battalion of a panzer division

HQ Pz div sigs bn










Stab einer Infanteriedivisionsnachrichtenabteilung (tmot)

Hq of a partly motorized signal battalion of an infantry division

HQ inf div sigs bn (part mech)



Current	German	U. S.	British
	Stab einer Gebirgskorpsnachrichten- abteilung (tmot)	Hq of a partly motorized signal battalion of a mountain corps	HQ mtn corps sigs bn (part mech)
	Stab einer Gebirgsdivisionsnachrich- tenabteilung (tmot)	Hq of a partly motorized signal battalion of a mountain division	HQ mtn div sigs bn (part mech)
	Stab einer Eisenbahnnachrichtenab- teilung (mot)	Hq of a motorized railway signal battalion	HQ rly sigs bn (mech)
	Stab einer Nachrichtenaufklärungs- abteilung (mot)	Hq of a motorized signal intelligence battalion	HQ sigs intercept bn (mech)
	Stab einer Feldschaltabteilung-----	Hq of a field switching battalion-----	HQ fd exchange unit
	Festungsnachrichtenstab-----	Hq of a fortress signal battalion-----	HQ fortress sigs bn
	Führer einer Nachrichtenkompanie....	Hq (or commander) of a signal company	HQ (or comd) of a sigs coy

b. Units

(1) *Signal units*



Nachrichtenkompanie----- Signal company----- Sigs coy



Nachrichtenkompanie (tmot) Inf. Partly motorized signal company of Sigs coy (part mech) in an inf  
Div. an infantry division div



Grenzschutzabschnittsnachrichten- Motorized signal company of a Frontier gd sigs coy (mech)  
kompanie (mot) frontier guard sector



leichte Nachrichtenkolonne (mot)----- Signal motorized light transport Lt sigs coln (mech)  
column



leichte Gebirgsnachrichtenkolonne Mountain signal motorized light Lt mtn sigs coln (mech)  
(mot) transport column



leichte Panzernachrichtenkolonne Panzer signal motorized light trans- Lt armd sigs coln (mech)  
(mot) port column

(2) *Telephone and teletype units*












Fernsprechkompanie (tmot)----- Partly motorized telephone company. Phone coy (part mech)



Fernsprechkompanie (mot)----- Motorized telephone company----- Phone coy (mech)



Gebirgsfernsprechkompanie (tmot)---- Partly motorized mountain telephone Mtn phone coy (part mech)  
company

Current	German	U. S.	British
	Panzerfernsprechkompanie	Panzer telephone company	Armd phone coy
	Feldfernkabelkompanie (mot)	Motorized field trunk cable company	Fd trunk cable coy (mech)
	Eisenbahnfeldfernkabelkompanie c (mot)	Motorized railway field trunk cable company "c"	Rly fd trunk cable coy c (mech)
	Fernsprechbaukompanie (mot)	Motorized telephone construction company	Phone constr coy (mech)
	Eisenbahnfernsprechbaukompanie (mot)	Motorized railway telephone con- struction company	Rly phone constr coy (mech)
	Führungsfernkabelkompanie (mot)	Motorized trunk cable company of the High Command of the Army	GHQ trunk cable coy (mech)
	WT Aufbau- und Betriebskompanie (mot)	Motorized alternating-current tele- graph installation and operating company	AC tele constr and op coy (mech)
	Fernsprechbetriebskompanie (mot)	Motorized telephone operating com- pany	Phone op coy (mech)
	Eisenbahnfernsprechbetriebskompanie f	Railway telephone operating com- pany "f"	Rly phone op coy f



Fernschreibkompanie (mot)----- Motorized teletype company----- Teleprinter coy (mech)



Fernsprechaufbaukompanie (mot)----- Motorized telephone installation Phone constr coy (mech)  
company



Trägerfrequenzkompanie (mot)----- Motorized carrier frequency com- Carrier freq coy (mech)  
pany



Eisenbahnträgerfrequenzkompanie Motorized railway carrier frequency Rly carrier freq coy (mech)  
(mot) company



Dezimeterkompanie (mot)----- Motorized decimeter wave signal Decimetre coy (mech)  
company



Fernsprechbetriebszug (bodenständig) - Stationary telephone operating pla- Phone op pl (static)  
toon



Kabelspürzug----- Cable detector platoon----- Cable detector pl




(3) *Radio (wireless) units*



Funkkompanie (mot)----- Motorized radio company----- WT coy (mech)







Gebirgsfunkkompanie (tmot)----- Partly motorized mountain radio Mtn WT coy (part mech)  
company

Current	German	U. S.	British
	Panzerfunkkompanie.....	Panzer radio company.....	Armd WT coy
	Eisenbahnfunkkompanie h (mot).....	Motorized railway radio company "h".....	Rly WT coy h (mech)
	Funkleitstrahlkompanie (mot).....	Motorized radio directional beam company	Radio directional beam coy (mech)







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(4) *Signal intelligence units*

	Nachrichtennahaufklärungskompanie (mot)	Motorized short-range signal intelligence company	Tac intercept coy (mech)
	Nachrichtenfernaufklärungskompanie (mot)	Motorized long-range signal intelligence company	Long-range intercept coy (mech)
	Funküberwachungskompanie (mot)...	Motorized radio monitoring company	WT monitor coy (mech)
	Dolmetscherzug (mot).....	Motorized interpreter platoon.....	Interpreter pl (mech)

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
(5) *Other units*

	Festungskabelschaltkompanie.....	Fortress cable-switching company...	Fortress cable exchange coy
	Festungskabelbauzug (mot) .....	Motorized fortress cable installation platoon	Fortress cable-laying pl (mech)
	Festungskabelbohrzug .....	Fortress cable-burying platoon.....	Fortress cable-burying pl
	Festungsfunkzug.....	Fortress radio platoon.....	Fortress WT pl
	Festungs-, Meldehund- und Brieffau- benzug	Fortress messenger dog and carrier pigeon platoon	Fortress messenger dog and carrier pigeon pl
	Tragtierstaffel (N).....	Signal pack train.....	Sigs pack det





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(6) *Propaganda units*

Propaganda troops have been separated from signal troops and now compose an independent branch of service. Consequently, symbols indicating propaganda units may have changed.

	Propagandakompanie (mot).....	Motorized propaganda company....	Propaganda coy (mech)
	Propagandazug (mot).....	Motorized propaganda platoon.....	Propaganda pl (mech)




### c. Installations

Current	German	U. S.	British
	Nachrichtenkommandantur.....	Rear area signal Hq.....	L of C sigs HQ
	Feldnachrichtenkommandantur.....	Field signal Hq.....	Fd sigs HQ
	Nachrichtenpark.....	Signal equipment park.....	Sigs pk
	Feldnachrichtengerätelager.....	Field signal equipment depot.....	Sigs stores depot

### d. Signal Communications

(1) *Telephone and teletype*

(a) *Sub-units (all motorized)*

	Störungssuchtrupp.....	Breakdown tracing detachment.....	Breakdown sec
	kleiner Fernsprechrupp.....	Light telephone detachment.....	Lt phone sec
	mittlerer Fernsprechrupp.....	Medium telephone detachment.....	Med phone sec



grosser Fernsprechtrupp..... Heavy telephone detachment..... Hy phone sec



Feldfernkabeltrupp..... Field trunk cable detachment..... Fd trunk cable sec



Führungsfernkabeltrupp..... Trunk cable detachment of the High Command of the Army GHQ fd trunk cable sec



Fernsprechbau-, Felddauerlinietrupp... Telephone construction detachment, field permanent lines detachment Phone constr, phone permanent lines sec



Erdkabelbautrupp..... Underground cable installation detachment Buried cable constr sec



Fernsprechbetriebstrupp..... Telephone operating detachment.... Phone op sec



Verstärkertrupp..... Amplifier detachment..... Amplifier sec



Trägerfrequenztrupp..... Carrier frequency detachment..... Carrier freq sec














Dezimetertrupp..... Decimeter wave signal detachment.. Decimetre sigs sec






Dezimetermesstrupp..... Decimeter wave balancing detachment Decimetre calibration sec



Current	German	U. S.	British
	Fernschreibanschlusstrupp.....	Teletype linking detachment.....	Teleprinter junc sec
	Fernschreibtrupp.....	Teletype detachment.....	Teleprinter sec
	Fernschreibstaffel.....	Teletype equipment detachment....	Teleprinter det
	Wechselstromtelegrafietrupp.....	Alternating-current telegraphy de- tachment	AC tele sec
	kleiner Fernschreibtrupp.....	Light teletype detachment.....	Lt teleprinter sec
	mittlerer Fernschreibtrupp.....	Medium teletype detachment.....	Med teleprinter sec
	grosser Fernschreibtrupp.....	Heavy teletype detachment.....	Hy teleprinter sec
	Kabelmesstrupp.....	Cable survey detachment.....	Cable svy sec
	Kabelschalttrupp.....	Cable-switching detachment.....	Cable exchange sec
	Kabelspürtrupp.....	Cable detector detachment.....	Cable detector sec
	Kabelbohrtrupp.....	Cable-burying detachment.....	Cable-burying sec

(b) Stations





●	Fernsprechstelle.....	Telephone station.....	Phone sta
○	Fernsprechvermittlung.....	Telephone exchange.....	Phone exchange
∞	Fernschreibstelle.....	Teletype station.....	Teleprinter sta
⊗	Fernschreibvermittlung.....	Teletype exchange.....	Teleprinter exchange
□ <sub>DV</sub>	Durchgangsvermittlung.....	Relay exchange.....	Long-distance phone exchange
□ <sub>V</sub>	Verstärkerstelle oder Verstärkeramt....	Amplifier station or amplifier office..	Amplifier sta, booster
	Knotenamt des Tf-Netzes.....	Junction center of carrier frequency network	Junc centre of carrier freq network
	Zwischenverstärker Nf und Tf.....	Intermediate amplifier for normal and carrier frequency	Amplifier for normal and carrier freq
	Tf Endamt (z.B. MEK8-Endamt)....	Carrier frequency terminal station (e. g., terminal station MEK8)	Carrier terminal sta (e. g., terminal sta MEK 8)

(c) *Lines*



1. *General.* In colored line-diagrams the following distinguishing colors are employed:

Green.....	Infantry
Red.....	Artillery
Brown.....	Division
Blue.....	Corps
Black.....	Army and army group

2. *Cable*


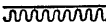
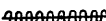
<b>Current</b>	<b>German</b>	<b>U. S.</b>	<b>British</b>
	Feldkabeleinfachleitung.....	Field cable single-wire circuit.....	Fd cable, (single line) circuit
	Feldkabeldoppelleitung.....	Field cable two-wire circuit.....	Fd cable, (double line) circuit
	Feldfernkabel.....	Field trunk cable.....	Fd trunk cable
	Führungsfernkabel.....	Trunk cable of the High Command of the Army	GHQ trunk cable

3. *Bare wire lines*

	Blankdrahtlinie der Wehrmacht (Freileitungslinie der Post oder Bahn usw.)	Bare wire line used by the Armed Forces (overhead line of the postal service or railway, etc.)	Bare wire line in use by Armed Forces
	Drehkreuzleitung.....	Scrambler line (2 pairs).....	Transposed air line (2 pairs)


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#### 4. Underground and overhead cable

	Erdkabel.....	Underground cable.....	Buried cable
	Erdkabel (bombensicher verlegt).....	Underground cable (buried below bomb-crater depth)	Buried cable (bomb-proofed)
	Luftkabel.....	Overhead cable.....	Overhead cable (air line)

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#### 5. Other links





	Dezimeterverbindung.....	Decimeter wave circuit.....	Decimetre link (WT)
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#### (2) Radio (wireless)





##### (a) Sub-units (all motorized)

	Tornisterfunktrupp.....	Portable (walkie-talkie) radio detachment	Pack WT see
	kleiner Funktrupp.....	Light radio detachment.....	Lt WT see
	mittlerer Funktrupp.....	Medium radio detachment.....	Med WT see
	grosser Funktrupp.....	Heavy radio detachment.....	Hy WT see

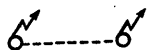
Current	German	U. S.	British
	Schlüsseltrupp.....	Cipher detachment.....	Cipher sec
	Funkfern-schreibtrupp.....	Radio telegraphy detachment.....	Fd teleprinter sec
 (Morse)  (Hell)	(Morse-) (Hell-) Funkschnellschreibtrupp	Radio telegraphy detachment (with indication of system on right)	WT sec (with indicator of system on right)

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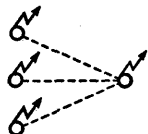
(b) *Stations*

	Funkstelle.....	Radio station.....	WT sta
	feste Funkstelle (Deutsche Heeresfunkstelle)	Fixed radio station (German Army radio station)	Static WT sta
	Sender.....	Transmitter.....	Transmitter
	Empfänger.....	Receiver.....	Receiver

(c) *Methods of operation*



Funklinie..... Two-station radio link..... WT net (point to point)



Sternverkehr..... Directed radio net..... Star working



Netzverkehr..... Free radio net..... Net working (individual receiving freqs)

(d) *Aerials*



Hochantenne..... Overhead aerial..... Overhead aerial



Bodenantenne..... Ground aerial..... Ground aerial



Rahmenantenne..... Frame aerial..... Frame aerial








Erde..... Ground..... Earth

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
(3) *Signal intelligence (interception)*

(a) *Sub-units (all motorized)*

<b>Current</b>	<b>German</b>	<b>U. S.</b>	<b>British</b>
	Nachrichtenaufklärungstrupp.....	Signal intelligence detachment.....	WT intercept sec
	Peiltrupp.....	Direction finding detachment.....	Mobile DF sec
	Funkauswerttrupp.....	Radio plotting (evaluation) detach- ment	WT plotting (evaluation) sec
	Drahtaufklärungstrupp.....	Line intelligence detachment.....	Line recee sec
	Lauschtrupp.....	Line interception detachment.....	Line intercept sec

---

(b) *Stations*

	Funkempfangsstelle, Nachrichtenauf- klärungsstelle	Radio receiving station, signal intel- ligence station	Intercept sta
	feste Nachrichtenaufklärungsstelle.....	Fixed signal intelligence station.....	Fixed intercept sta



Peilstelle..... Radio direction finder station..... DF sta



Auswertstelle..... Plotting (evaluation) station..... Plotting (evaluation) sta

(4) *Other methods of communication*



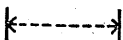
Blinktrupp..... Blinker detachment..... Light-signalling sec



Blinklinie..... Blinker connection between 2 points.. Light-signalling link



Lichtsprechtrupp..... Photophone detachment..... Photophone sec



Lichtsprechlinie..... Photophone communication line..... Photophone link



Meldehundrotte..... Messenger dog detachment..... Messenger dog det



Meldehundstrecke..... Messenger dog communication line... Messenger dog route



feste Briefftaubenstelle..... Fixed carrier pigeon station..... Carrier pigeon sta (static)



Current

German

U. S.

British



Brieftaubenschlag..... Carrier pigeon loft..... Carrier pigeon loft



Brieftaubenabflugstelle..... Carrier pigeon releasing point..... Carrier pigeon releasing sta



Brieftaubenverbindung..... Carrier pigeon communication..... Carrier pigeon comn



Meldekopf..... Advance message center..... Sigs reporting centre



Meldesammelstelle..... Message center..... Sigs centre

## 20. TRAINS OF COMBAT TROOPS (TRANSPORT ECHELONS OF FIGHTING TROOPS)



Verpflegungstross (mot)..... Motorized ration train..... Rations tpt (mech)



Verpflegungstross I..... Ration train (1st echelon)..... Rations tpt (1st ech)



Verpflegungstross II..... Ration train (2d echelon)..... Rations tpt (2nd ech)



Verpflegungstross II (mot)..... Motorized ration train (2d echelon).. Rations tpt (2nd ech) (mech)



Gepäcktrass..... Baggage train..... Baggage tpt



Gepäcktrass (mot)..... Motorized baggage train..... Baggage tpt (mech)



Gefechtstrass..... Combat train..... Battle tpt



Gefechtstrass (mot)..... Motorized combat train..... Battle tpt (mech)

If it is desired to show to which branch of service the train (transport echelon) belongs, the basic symbol for the branch of service must be added. **EXAMPLES:**



Gefechtstrass eines Pionierbataillons... Combat train of an engineer bat-  
talion Battle tpt of an engr bn



Gefechtstrass (mot) einer Panzerab- Motorized combat train of a tank Battle tpt (mech) of a tk bn  
teilung battalion



Gefechtstrass einer Artillerieabteilung... Combat train of an artillery bat-  
talion Battle tpt of an arty bty




## Section III. Services and Service Installations

The following color scheme applies to the tactical symbols for services and service installations when employed on colored maps, charts, etc.:

Railway.....	Violet
Ammunition.....	Blue
Supply Services.....	Brown
Administrative Services.....	Green
Medical Services.....	Light red
Veterinary Services.....	Carmine red
Army Postal Services.....	Yellow

**1. SUPPLY.** In October 1942, motor maintenance (motor transport park) troops (*Kraftfahrparktruppen*) were formed as a separate branch and were included in the services. They embrace all motor maintenance troops, repair services, repair shops, etc. For the purpose of this book, however, units of this branch of the service are not shown separately but appear listed under the branch to which they previously belonged. Transport troops (*Fahrtruppen*) are properly part of supply troops (*Nachschubtruppen*) but are listed separately here (see par. 2, p. 139, below) because the symbols are basically different.

### a. Headquarters

Current	German	U. S.	British
	Stab eines Kommandeurs der Armeenachschubtruppen	Hq of a commander of service of supply of an army	HQ of comd of army sup services
	Stab Kommando der Parke.....	Staff controlling equipment parks....	HQ of comd of pks
	Festungsnachschubstab.....	Hq of fortress service of supply.....	HQ fortress sup services



Stab eines Kommandeurs der Korpsnachschartruppen

Hq of a commander of service of supply of a corps

HQ of comd of corps sup services



Stab eines Kommandeurs der Korpsnachschartruppen (mot)

Hq of a commander of motorized service of supply of a corps

HQ of comd of corps sup services (mech)



Stab eines Kommandeurs der Divisionsnachschartruppen (tmot)

Hq of a commander of partly motorized service of supply of a division

HQ of comd of div sup services (part mech)



Stab eines Kommandeurs der Divisionsnachschartruppen (mot)

Hq of a commander of motorized service of supply of a division

HQ of comd of div sup services (mech)



Stab eines Kommandeurs der Panzerdivisionsnachschartruppen

Hq of a commander of service of supply of a panzer division

HQ of comd of Pz div sup services



Stab einer Nachscharkolonnenabteilung (tmot)

Hq of a motorized supply column battalion

HQ sup coln bn (mech)



Stab einer Nachscharkolonnenabteilung

Hq of a supply column battalion

HQ sup coln bn



Stab eines Nachscharbataillons (tmot)

Hq of a partly motorized supply battalion




HQ sup bn (part mech)









Stab einer Kraftfahrzeuginstandsetzungsabteilung (mot)











Hq of a motorized motor vehicle maintenance battalion











HQ MT repair bn (mech)

Current	German	U. S.	British
	Stab eines Nachschubbataillons (mot)	Hq of a motorized supply battalion	HQ sup bn (mech)
	Stab eines Gebirgsträgerbataillons	Hq of a mountain pack battalion	HQ mtn carrier bn
	Nachschubstab z.b.V. (Ver- oder Entladestab)	Special supply staff (for loading or unloading)	HQ of special sup comd (for loading or unloading)

### b. Units

	Nachschubkompanie	Supply company	Sup coy
	Nachschubkompanie (mot)	Motorized supply company	Sup coy (mech)
	Gebirgsnachschubkompanie	Mountain supply company	Mtn sup coy
	Gebirgsnachschubkompanie (mot)	Motorized mountain supply company	Mtn sup coy (mech)
	Gebirgsträgerkompanie	Mountain pack company	Mtn carrier coy
	Munitionsverwaltungskompanie (tmot)	Partly motorized ammunition administration company	Amn adm coy (part mech)

	Betriebsstoffverwaltungskompanie (mot)	Motorized motor fuel administration company	Petrol adm coy (mech)
	Werkstattkompanie (mot)-----	Motorized repair-shop company-----	Wksp coy (mech)
	Feldwerkstattkompanie (mot)-----	Motorized field repair-shop company-----	Fd wksp coy (mech)
	Kraftwagenwerkstattzug-----	Motor vehicle repair-shop platoon---	MT wksp pl
	Waffenmeisterzug-----	Ordnance repair platoon-----	Armoury pl.
	Wasserkolonnenzug-----	Water supply column platoon-----	Water coln pl
	Kraftfahrzeuginstandsetzungskompanie (mot)	Motorized motor vehicle maintenance company	MT repair coy (mech)
	Panzerinstandsetzungsabteilung-----	Tank maintenance battalion-----	Tk repair bn
	Zugkraftwagen-Instandsetzungszug-----	Prime mover maintenance platoon---	Tractor repair pl
	Abschleppkompanie (mot)-----	Motorized recovery company-----	Rec coy (mech)

Current	German	U. S.	British
	Schienenschlepperzug	Recovery platoon (rail)	Rail rec pl
	Nachschubstaffel für Panzerersatzteile	Supply train for tank spare parts	Tk spare parts ech
	Nachschubstaffel für Ersatzteile 25 t	Supply train for spare parts (25 tons)	Spare parts ech (25 tons)
	Nachschubstaffel für Ersatzteile 50 t	Supply train for spare parts (50 tons)	Spare parts ech (50 tons)
	Reifenstaffel	Tire supply train	Tyre ech
	Reifeninstandsetzungsstaffel	Tire repair detachment	Tyre repair ech
	Verbleiungstrupp (mot)	Motorized gasoline-blending detachment	Ethylisation sec (mech)
	Abfüllkommando (mot)	Motorized filling detachment	Filling det (mech)
	Betriebsstoffuntersuchungstrupp	Motor fuel testing detachment	Pet testing sec
	Schneeräumtrupp	Snow removal detachment	Snow clearance party

le

leichte Fahrkolonne (17 t)----- Horse-drawn light transport column Lt HT coln (17 tons)  
(17 tons)

==

Fahrkolonne (30 t)----- Horse-drawn transport column (30 HT coln (30 tons)  
tons)

P

Fahrkolonne für Kavallerieverbände Horse-drawn transport column for HT coln (30 tons) for cav fmns/  
(30 t) cavalry units (30 tons)

▲

Gebirgsfahrkolonne (15 t)----- Horse-drawn mountain transport Mtn HT coln (15 tons)  
column (15 tons)

==

grosse Fahrkolonne (60 t)----- Horse-drawn heavy transport col- Hy HT coln (60 tons)  
umn (60 tons)

o o

kleine Kraftwagenkolonne (30 t)----- Light motor transport column (30 Small MT coln (30 tons)  
tons)

Pz.Ers.

Panzerersatzteilkolonne (mot)----- Motorized tank spare parts column-- Tk spare parts coln (mech,  
mechanical)

Bergung

Bergungskolonne (mot)----- Motorized recovery column----- Rec coln (mech)

o o

grosse Kraftwagenkolonne (60 t)----- Heavy motor transport column (60 Large MT coln (60 tons)  
tons)

o o o

kleine Kraftwagenkolonne für Be- Light motor transport column for Small POL MT coln (25 cubic  
triebsstoff (25 cbm) motor fuel (25 cubic meters) metres)

o o o o

grosse Kraftwagenkolonne für Be- Heavy motor transport column for Large POL MT coln (50 cubic  
triebsstoff (50 cbm) motor fuel (50 cubic meters) metres)



### c. Installations

Current	German	U. S.	British
<b>J</b>	Infanteriepark.....	Infantry equipment park.....	Inf pk
<b>A</b>	Artilleriepark.....	Artillery equipment park.....	Arty pk
<b>G</b>	Gasschutzgerätpark.....	Gas-defense equipment park.....	AG eqpt pk
<b>Pi</b>	Pionierpark.....	Engineer equipment park.....	Engr pk
<b>F Pi</b>	Festungspionierpark.....	Fortress engineer equipment park.....	Fortress engr pk
<b>N</b>	Nachrichtenpark.....	Signal equipment park.....	Sigs pk
<b>Kf</b>	Kraftfahrpark.....	Motor transport pool.....	MT pk
<b>H Kf</b>	Heereskraftfahrpark.....	Army motor transport pool.....	GHQ MT pk



Heereskraftfahrpark (tmot)----- Partly motorized Army motor transport pool GHQ MT pk (part mech)



Heereskraftfahrpark (mot)----- Motorized Army motor transport pool GHQ MT pk (mech)



Heimatkraftfahrpark----- Motor transport pool in the zone of the interior Home MT pk



Heergerätpark----- Army equipment park----- GHQ eqpt pk



Armeegerätpark----- Equipment park of an army----- Army eqpt pk



Feldzeugpark----- Ordnance stores park----- Ord pk



Zentralersatzteillager----- Central spare parts depot----- Central spare parts depot













Panzerersatzteillager----- Tank spare parts depot----- Tk spare parts depot



Panzerspähersatzteillager----- Scout car spare parts depot----- Armd C spare parts depot



Gleiskettenlager----- Depot for tracks (tank, etc.)----- Track depot

Current	German	U. S.	British
	Zugkraftwagen-Ersatzteillager.....	Prime mover spare parts depot.....	Tractor spare parts depot
	Reifenlager.....	Tire depot.....	Tyre depot
	Reifen und Ersatzteillager.....	Tire and spare parts depot.....	Tyre and spare parts depot
	Nachschublager für Luftversorgung... Depot for supplies dropped by air... Depot for sups dropped by air		
	Munitionslager.....	Ammunition dump.....	Amn dump
	Munitionsausgabestelle.....	Ammunition distributing point.....	Amn DP
	Munitionsumschlagstelle.....	Ammunition transloading point.....	Amn reloading pt
	ortsfeste Tankstelle.....	Stationary filling station.....	Static refuelling pt
	Eisenbahntankstelle (gefüllt).....	Railway filling station (full).....	Tanker train (filled)
	Ausgabestelle für Betriebsstoff.....	Motor fuel distributing point.....	PP



Tankstelle für Einzelfahrzeuge..... Filling station for individual vehicles. PP for single vehs



Gerätsammelstelle..... Equipment collecting point..... Repair collecting centre (for tech eqpt)



Beutesammelstelle..... Captured equipment collecting point. Dump for captured eqpt



Munitionssammelstelle..... Ammunition collecting point..... Amn collecting sta

**2. TRANSPORT.** For the classification of transport troops, see under "Supply" (par. 1, p. 130, above).  
a. Headquarters



Stab eines Kraftwagentransportregiments..... Hq of a motor vehicle transport regiment (primarily troop-carrying) HQ motor veh tpt regt







Stab einer Kraftfahrabteilung..... Hq of a motor transport battalion... HQ MT bn







Stab einer Fahrabteilung (tmot)..... Hq of a partly motorized transport battalion HQ tpt bn (part mech)



Stab einer Fahrabteilung..... Hq of a horse-drawn transport battalion HQ HT bn

Current	German	U. S.	British
	Stab einer Kraftfahrabteilung (gep) (Sf)	Hq of an armored self-propelled motor transport battalion	HQ SP tpt bn (equipped with armd tp carriers)
	Stab einer Kraftwagentransport- abteilung	Hq of a motor vehicle transport bat- talion (primarily troop-carrying)	HQ motor veh tpt bn
	Führer einer Fahrschwadron.....	Hq (or commander) of a horse-drawn transport troop	HQ (or comd) of a HT sqn
	Führer einer Kraftfahrkompanie.....	Hq (or commander) of a motor trans- port company	HQ (or comd) of a MT coy

### b. Units

	Kraftwagentransportabteilung.....	Motor vehicle transport battalion (primarily troop-carrying)	Motor veh tpt bn
	Erkundungszug.....	Terrain reconnoitering platoon.....	Recece pl (of tpt tps)
	Kraftfahrkompanie.....	Motor transport company.....	MT coy
	Kraftwagentransportkompanie.....	Motor vehicle transport company (primarily troop-carrying)	Motor veh tpt coy



Zug (Lastkraftwagen) einer Kraftwagen-  
entransportkompanie

Truck platoon of a motor vehicle  
transport company (primarily  
troop-carrying)

Pl (equipped with lorries) in a  
motor veh tpt coy



Kraftwagentransportkompanie (Last-  
kraftwagen mit Anhänger)

Motor vehicle transport company  
(trucks with trailers) (primarily  
troop-carrying)

Motor veh tpt coy (lorries  
with trailers)



Zug (Lastkraftwagen mit Anhänger)  
einer Kraftwagentransportkompanie

Platoon (trucks with trailers) of a  
motor vehicle transport company  
(primarily troop-carrying)

Trailer pl in a motor veh tpt  
coy



Munitionstransportkompanie (gep)  
(Sf)

Armored self-propelled ammunition  
transport company

SP amn-carrying coy (on armd  
tp carriers)



Fahrschwadron.....

Horse-drawn transport troop.....

HT sqn



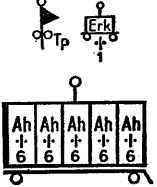
Kraftfahrpark (*now part of Kraftfahr-  
parktruppen*)

Motor transport pool.....

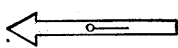
MT pk

### c. Organization

#### (1) Example of a diagrammatic table of organization

Current	German	U. S.	British
	<p>Kraftwagentransportabteilung zu:</p> <p>Stab mit Erkundungszug zu 1 1.M.G.</p> <p>5 Kraftwagentransportkompanien (Lastkraftwagen mit Anhänger) mit je 6 1.M.G.</p>	<p>Motor vehicle transport battalion (primarily troop-carrying), consist- ing of:</p> <p>Hq with terrain reconnoitering platoon with 1 machine gun (bipod)</p> <p>5 motor vehicle transport com- panies (trucks with trailers) (primarily troop-carrying), each with 6 machine guns (bipod)</p>	<p>Motor veh tpt bn, consisting of:</p> <p>Hq with recee pl with 1 LMG</p> <p>5 motor veh tpt coys (with trailers) with 6 LMGs each</p>

#### (2) Example of map symbols



Marschkolonne von Fahreinheiten----- Transport units in march column---- Tpt units in coln of route

## 3. ADMINISTRATIVE

### a. Units



Armeeverpflegungsamt (mot)----- Motorized ration office of an army--- Army rations office (mech)



Armeebekleidungsamt (mot)----- Motorized clothing office of an army- Army clothing office (mech)



Verpflegungsamt einer Division (mot) - Motorized ration office of a division.. Div rations office (mech)



Verpflegungsamt z.b.V. (mot) ----- Motorized special ration office ----- Special rations office (mech)



bodenständige Heeresverpflegungs- Stationary Army ration office GHQ rations adm centre (static)  
dienststelle



bodenständige Heeresunterkunftsver- Stationary Army billeting adminis- GHQ billeting adm (static)  
waltung tration



Bäckereikompanie ----- Bakery company ----- Bakery coy



Bäckereikompanie (mot) ----- Motorized bakery company ----- Bakery coy (mech)



Schlächtereikompanie (mot) ----- Motorized slaughter company ----- Butcher coy (mech)



Schlächtereizug (mot) ----- Motorized slaughter platoon ----- Butcher pl (mech)





Eisenbahnküchenwagenkompanie ----- Railway kitchen-car company ----- Rly kitchen-car coy











Bekleidungsinstandsetzungszug ----- Clothing repair train (railway) ----- Clothing repair train (rly)



Current	German	U. S.	British
	Kraftwagenküchenkompanie.....	Motor vehicle kitchen company.....	MT kitchen coy
	Wirtschaftskompanie (tmot).....	Partly motorized company for industrial and agricultural functions	Coy for industrial and agricultural functions (part mech)

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### b. Installations

	Ersatzverpflegungsmagazin.....	Reserve ration depot.....	Base rations store
	Armeeverpflegungslager.....	Ration depot of an army.....	Army rations depot
	Korpsverpflegungslager.....	Ration depot of a corps.....	Corps rations depot
	Divisionsverpflegungslager.....	Ration depot of a division.....	Div rations depot
	Armeebekleidungslager.....	Clothing depot of an army.....	Army clothing depot
 V	Verpflegungsausgabestelle.....	Ration distributing point.....	Div rations DP
 V	Verpflegungsumschlagstelle.....	Ration transloading point.....	Div rations refilling pt
 Rauhf.	Rauhfuttersammellstelle.....	Forage collecting point.....	Forage collecting sta

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#### 4. MEDICAL











##### a. Headquarters

	Stab einer Heeres(Armee)-Sanitäts- abteilung (mot)	Hq of a motorized medical battalion of an army	HQ GHQ (army) medical unit (mech)
	Stab einer Kriegslazarettabteilung (mot)	Hq of a motorized hospital battalion	HQ army base hosp unit (mech)
	Stab einer Krankentransportabteilung	Hq of an ambulance battalion	HQ amb unit
	Stab einer Krankentransportabteilung (mot)	Hq of a motorized ambulance bat- talion	HQ amb unit (mech)
	Stab eines Kriegslazaretts (R) (mot)	Hq of a motorized rear area hospital (reserve)	HQ army res base hosp (mech)

---

##### b. Units

	Krankentransportkompanie	Ambulance company	Amb coy
	Krankentransportkompanie (mot)	Motorized ambulance company	Amb coy (mech)
	Sanitätskompanie	Medical company	Medical coy

Current	German	U. S.	British
	Sanitätshalbkompanie	Medical company (half-strength)	Medical half-coy
	Sanitätskompanie (mot)	Motorized medical company	Medical coy (mech)
	Gebirgssanitätskompanie (tmot)	Partly motorized mountain medical company	Mtn medical coy (part mech)
	Truppenentgiftungskompanie (mot)	Motorized personnel decontamination company	Medical decon coy (mech)
	Krankenkraftwagenzug	Motor ambulance platoon	Amb pl (mech)
	Kriegslazarett (mot)	Motorized rear area hospital	Army base hosp (mech)
	Leichtkrankenkriegslazarett (mot)	Motorized rear area hospital for minor cases	Army base hosp for minor cases (mech)
	Feldlazarett	Field hospital	Fd hosp
	Feldlazarett (mot)	Motorized field hospital	Fd hosp (mech)
	Sanitätspark	Medical supply park	Medical park



Sanitätszweigpark..... Branch medical supply park..... Branch medical park



Sammelsanitätspark..... Composite medical supply park..... Composite medical pk



Lazarettzug..... Hospital train..... Hosp train



gemischter Lazarettzug..... Mixed hospital train..... Composite hosp train



Leichtkrankenzug..... Hospital train for minor cases..... Hosp. train for minor cases



Eisenbahntseuchungszug..... Disinfecting train..... Disinfecting train (rly)







Lazarettschiff..... Hospital ship..... Hosp ship






Leichtkrankenschiff..... Hospital ship for minor cases..... Hosp ship for minor cases

### c. Installations

#### (1) *Installations on the march or in billets*

Current	German	U. S.	British
	Krankensammelpunkt.....	Collecting point for sick.....	CCP
	Krankensammelstelle einer Kranken- transportabteilung	Collecting post for sick of an ambu- lance battalion	CCP of an amb unit
	Ortskrankenstube.....	Local dispensary.....	MI room (in garrison or bil- leting area)
	Ortslazarett.....	Local hospital.....	Hosp

#### (2) *Installations in combat*

	Verwundetennest.....	First-aid station.....	First-aid post
	Truppenverbandplatz.....	Regimental aid station.....	RAP
	Wagenhalteplatz.....	Ambulance loading station.....	Car pt



Hauptverbandplatz----- Clearing station----- MDS



Leichtverwundetensammelplatz----- Collecting station for slightly wounded CCS for lightly wounded



Truppen-Entgiftungsplatz----- Personnel decontamination center... Personnel decon centre

(3) *Miscellaneous*



Kriegslazarett (inges.)----- Rear area hospital (in operation)---- Army base hosp (in op)



Feldlazarett (inges.) als Seuchenzlazarett eingerichtet Field hospital (in operation), equipped for contagious diseases Fd hosp (in op), equipped for contagious diseases











Leichtkrankenkriegslazarett (inges.)-- Rear area hospital for minor cases (in operation) Army base hosp for minor cases (in op)



Reservelazarett (inges.)----- Reserve hospital (in operation)----- Res hosp (in op)

## 5. VETERINARY

### a. Units

Current	German	U. S.	British
	Veterinärkompanie.....	Veterinary company.....	Vet coy
	Gebirgsveterinärkompanie.....	Mountain veterinary company.....	Mtn vet coy
	Armeepferdelazarett.....	Army horse hospital.....	Army horse hosp
HEIM 	Heimatpferdelazarett.....	Horse hospital in the zone of the interior corral	Home horse hosp
	Armeepferdepark.....	Army corral.....	Army horse pk
	Heimatpferdepark.....	Remount station in the zone of the interior	Home horse pk
	Veterinärpark.....	Veterinary equipment park.....	Vet stores park
	Heimatveterinärpark.....	Veterinary equipment park in the zone of the interior	Home vet stores park



Hauptveterinärpark..... Main veterinary equipment park.... Main vet stores park



Veterinäruntersuchungsstelle..... Veterinary examination station..... Vet examination centre



Pferdetransportkolonne (mot)..... Motorized horse transport column.... Horse tpt coln (mech)



Pferdetransportzug..... Horse transport train..... Horse tpt train

### b. Installations



Pferdeverbandplatz..... Dressing station for horses..... Horse dressing sta



Pferdesammelplatz..... Collecting point for horses..... Horse collecting sta



Armeepferdezweigpark..... Branch army corral..... Branch army horse depot



Veterinärzweigpark..... Branch veterinary equipment park .. Branch vet stores park









Beutepfedesammelstelle..... Collecting point for captured horses.. Captured horses collecting pt



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## 6. PROVOST



### a. Headquarters


Current	German	U. S.	British
	Feldkommandantur-----	Military Hq in occupied territory (brigade status)	Mil HQ in occupied territory (bde status)
	Kreiskommandantur-----	Military Hq in occupied territory (regimental status)	Town maj's comd in a rural district (regt status)
	Ortskommandantur-----	Military Hq in occupied territory (battalion status)	Town maj's comd in a small town (bn status)
	Kgf. Bezirkskommandantur-----	District Hq for prisoners of war-----	District HQ for PW
	Stab einer Feldgendarmarieabteilung (mot)	Hq of a motorized military police battalion	HQ MP bn (mech)
	Stab eines Verkehrsregelungsbataillons (mot)	Hq of a motorized traffic control bat- talion	HQ TC bn (mech)


152


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### b. Units

	Feldgendarmariekompanie (mot)-----	Motorized military police company--	MP coy (mech)
	Feldgendarmarietrupp (mot)-----	Motorized military police detachment.	MP sec (mech)



 Verkehrsregelungskompanie (mot)----- Motorized traffic control company--- TC coy (mech)



 g.F.P. Geheime Feldpolizei----- Secret field police----- Secret fd pol



 FSAbl. Feldsonderabteilung----- Special field penal battalion----- Fd penal unit



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
### c. Installations

 Kgf. Mannschaftsstellager----- Permanent prisoner of war camp for PW camp (OR's)  
 Stalag enlisted personnel

 Kgf. Durchgangslager----- Prisoner of war transit camp----- PW transit camp  
 Dulag

 Kgf. Offizierlager----- Permanent prisoner of war camp for PW camp (offrs)  
 Oflag officers



 Kgf. Armee-Kgf. Sammelstelle----- Prisoner of war collecting point of an Army PW collecting pt  
 SSr A army,

 AUSK. Auskunftstelle----- Information office----- Infm centre

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


## 7. ARMY POSTAL

### a. Headquarters

Current	German	U. S.	British
 H	Stab Heeresfeldpostmeister.....	Hq of the Army postal service.....	HQ Army postmaster general
 A	Stab Armeefeldpostmeister.....	Hq of the postal service of an army....	HQ army fd postal service

---

### b. Units

 A	Armeebriefstelle.....	Post office of an army.....	Army postal sta
	Feldpostleitstelle.....	Field postal control station.....	Fd post despatch office
	Feldpostamt (mot).....	Motorized field post office.....	APO (mech)

## Section IV. Transportation (Movement) Control

### 1. GENERAL

Current	German	U. S.	British
<span style="border: 1px solid black; padding: 2px;">WT/Ltg</span>	Wehrmachttransportleitung.....	Armed Forces transportation control.	Armed forces MC
<span style="border: 1px solid black; padding: 2px;">W.V.D.</span>	Wehrmachtverkehrsdirektion.....	Armed Forces traffic supervision....	Armed forces traffic directorate
<span style="border: 1px solid black; padding: 2px;">Gen d Trspw</span>	General des Transportwesens bei einer H. Gru.	Commanding general of transporta- tion service at an army group	D Tn at an army gp
<span style="border: 1px solid black; padding: 2px;">Bv.T.O.</span>	Bevollmächtigter Transportoffizier bei einer H. Gru. oder A. O. K.	Officer in charge of transportation at an army group or army	Chief tn offr at an army gp or army
<span style="border: 1px solid black; padding: 2px;">B.G.O.</span>	Beauftragter Generalstabsoffizier.....	Specially assigned General Staff officer	GSO (Tn)
<span style="border: 1px solid black; padding: 2px;">T.O.</span>	Transportoffizier.....	Transportation officer.....	MC offr
<span style="border: 1px solid black; padding: 2px;">T.V.Sy</span>	Transportverbindungsstelle.....	Transportation intermediate station..	Tn liaison sta
<span style="border: 1px solid black; padding: 2px;">Trsp/Kotr</span>	Transportkommandantur.....	Transportation Hq.....	Tn HQ
<span style="border: 1px solid black; padding: 2px;">Ausl.K.</span>	Ausladekommissar.....	Detrucking (or detraining) officer...	Unloading (detraining) offr

Current

German

U. S.

British

 BHKdtr.

Bahnhofskommandantur..... Railway station command..... Rly HQ

 HFO.

Hafenoffizier..... Port officer..... Port control offr

 Wl. St.

Weiterleitungsstelle..... Forwarding station..... Forwarding sta

## 2. RAILWAY TRANSPORTATION

 M

Munitionszug..... Ammunition train (railway)..... Amn train

 Betr. St.

Betriebsstoffzug..... Motor fuel train (railway)..... Pet train

 V

Verpflegungszug..... Ration train (railway)..... Rations train

 Mehl

Mehlzug..... Flour train (railway)..... Flour train

 Ha

Haferzug..... Oats train (railway)..... Oats train

 Vieh

Viehzug..... Cattle train (railway)..... Cattle train



Truppentransportzug (haltend)..... Troop train (halted)..... Tp train (stationary)



Truppentransportzug (in Fahrt) ----- Troop train (moving) ----- Tp train (on the move)



Leerzug (haltend) ----- Empty train (halted) ----- Empty train (stationary)



Leerzug (in Fahrt) ----- Empty train (moving) ----- Empty train (on the move)



Transportbewegung der 7. Inf. Div. nach Gegend Ulm mit 24 Zügen täglich ----- 7th infantry division moving by rail toward Ulm with 24 trains daily ----- 7 inf div moving by rail to Ulm (24 trains per day)



In einem Raum abgestellte Vollzüge (72) ----- Area containing 72 loaded trains ----- Area containing 72 loaded trains



Sammelbahnhof ----- Railroad collecting station ----- Focal RH



Ausladebahnhof für Nachschub der Armee ----- Army railhead ----- Army RH



Ausladehafen für Nachschub ----- Debarkation port for supplies ----- Sup port



Umschlaghafen ----- Transloading port ----- Reloading port





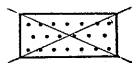
Nachschubsammelhafen ----- Collecting port for supplies ----- Sup collecting port

# C. SPECIAL SIGNS AND SYMBOLS

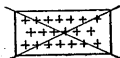
## Section I. Obstacles and Demolitions

### 1. MINES

Current	German	U. S.	British
+	Tellermine (T-Mine)	T-mine (antitank)	T-mine
*	T-Mine gesprengt	T-mine, exploded	T-mine (exploded)
●	Schützenmine (S-Mine) oder Schreckladung	S-mine (antipersonnel) or booby trap	S-mine or booby trap
⊗	S-Mine oder Schreckladung gesprengt	S-mine or booby trap, exploded	S-mine or booby trap (exploded)
	S-Minenfeld	S-mine field	S-minefd
	T-Minenfeld	T-mine field	T-minefd



S-Minenfeld beseitigt..... S-mine field, cleared..... S-minefd (cleared)



T-Minenfeld beseitigt..... T-mine field, cleared..... T-minefd (cleared)



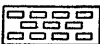
T-Minen mit Brückenstangen..... T-mines with connecting bars..... T-mines with pressure bars



Brettstückmine..... Board mine..... Board mine



Brettstückmine gesprengt..... Board mine, exploded..... Board mine (exploded)



Brettstückminenfeld..... Board mine field..... Board minefd



T-Minenschnellsperre mit Druckschienen  
Improvised road block of T-mines with pressure bars  
Improvised rd-block using T-mines with pressure bars



Schnelleingesetzte Schreckladung..... Improvised booby trap..... Improvised booby trap



behelfsmässige Schnellsperre..... Improvised road block with mines.... Improvised rd block with mines



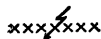
Vermingung mit Behelfsminen aller Art. Area mined with various types of improvised mines  
Area mined with various types of improvised mines



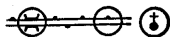
Current	German	U. S.	British
	T-Minenfeld im Boden verlegt mit bezeichneter Gasse	T-mine field, buried, with marked lane	T-minefd (buried) with marked lane
	T-Minenfeld offen verlegt mit bezeichneter Gasse	T-mine field, laid on surface, with marked lane	T-minefd (not buried) with marked lane
	Brettstück-Minenfeld mit bezeichneter Gasse	Board mine field with marked lane	Board minefd with marked lane
	S-Minenfeld mit bezeichneter Gasse	S-mine field with marked lane	S-minefd with marked lane

## 2. MISCELLANEOUS

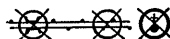
xxxxxxx	Drahtzaun (Flandernzaun)	Wire fence (double apron fence)	Wire fence (double apron)
	Flächendrahtsperre	Multiple wire entanglements	Multiple concertina wire obstacle
x-x-x	Maschendrahtsperre	Wire mesh obstacle	Wire-netting obstacle
	Stolperdraht	Trip wire	Trip wire
	K- und S-Rollen	Concertina wire	Concertina wire (smooth and barbed)



Starkstromsperre..... High voltage obstacle..... HT wire obstacle



zur Zerstörung vorbereitet..... Prepared for demolition..... Prepared for demolition



zerstört..... Demolished..... Demolished



leichte Baumsperre zur Zerstörung vorbereitet..... Light abatis prepared for demolition..... Small tree-trunk obstacle prepared for demolition



leichte Baumsperre zerstört..... Light abatis demolished..... Small tree-trunk obstacle demolished



schwere Baumsperre zur Zerstörung vorbereitet..... Heavy abatis prepared for demolition..... Large tree-trunk obstacle prepared for demolition



schwere Baumsperre zerstört..... Heavy abatis demolished..... Large tree-trunk obstacle demolished








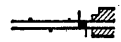
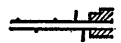
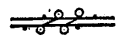
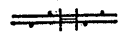
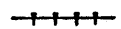
Eisenbahnstrecke zur Zerstörung vorbereitet..... Railway line prepared for demolition..... Rly prepared for demolition



Eisenbahnstrecke zerstört..... Railway line demolished..... Rly demolished



Eisenbahngrenzsperre..... Frontier railway barrier..... Frontier barrier on rly

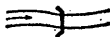
Current	German	U. S.	British
	zu sperrende Nachrichtenanlage-----	Signal installation to be blocked-----	Sig installation to be screened off
	gesperrte Nachrichtenanlage-----	Blocked signal installation-----	Sig installation screened off
	abzuschirmende Nachrichtenanlage----	Signal installation to be screened off (in direction of arrow)	Sig installation to be directionally screened (in direction of arrow)
	abgeschirmte Nachrichtenanlage-----	Signal installation screened off (in direction of arrow)	Sig installation directionally screened (in direction of arrow)
	Baumverhau-----	Abatis-----	Abatis
	Barrikade aus Wagen, Steinen, Erdwällen und Wirtschaftsgeräten	Barricade made of wagons, stones, earthworks, and agricultural implements	Barricade of carts, stones, earthworks and agricultural implements
	Barrikade mit Durchlass für eigenen Fahrzeugverkehr	Barricade with passage for own vehicular traffic	Barricade with opening for own veh traffic
	Drahtseilperre-----	Wire cable obstacle-----	Wire rope obstacle
	Sperrre aus Stahlträgern oder Schienen.	Obstacle of steel girders or rails-----	Barricade of girders or rails
	Pfahlsperrre-----	Post obstacle-----	Barricade of stakes



Panzerabwehrgraben ..... Tank trap ..... A tk ditch



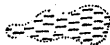
von Natur panzersicheres Gelände ..... Terrain impassable for tanks ..... Tk proof ground



Stauanlage ..... Dam ..... Dam



Zusetzen eines Durchlasses oder einer  
Brückenöffnung für Stauzwecke ..... Blocking of a sluice or bridge arch  
for damming purposes ..... Closing of sluice or bridge-  
opening (for damming pur-  
poses)



Anstauung oder Ansumpfung (Zeich-  
nung in blauer Farbe) ..... Flooded area (colored blue) ..... Flooded area (coloured blue)



abgeholzter Wald ..... New ground, cleared forest ..... Felled trees



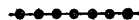
niedergelegtes Gehöft ..... Razed farm ..... Razed farm



durch Kampfstoffe vergiftete Zone  
(Zeichnung gelb schraffiert) ..... Gas-contaminated area (colored  
yellow) ..... Contaminated area (coloured  
yellow)



einzelne Giftinseln (Zeichnung gelb  
schraffiert) ..... Isolated gas-contaminated areas ..... Various small contaminations  
(coloured yellow)

**Current****German**

durch Brand gesperrte Zone bei ein-  
gezeichnetem Einzelobjekt; Sper-  
rung eines solchen durch Brand  
(Zeichnung in roter Farbe)

Kampfwagensperre (Höcker)-----

Kampfwagensperre (Pfähle)-----

Kampfwagensperre (Hemmkurve)-----

Kampfwagensperre (Eisenigel)-----

**U. S.**

Area blocked by fire (individual ob-  
jects fired marked) (colored red)

Tank obstacle (hurdles)-----

Tank obstacle (posts)-----

Tank obstacle (steel sloping-frames)-

Tank obstacle (hedgehogs)-----

**British**

Area blocked by fire (individual  
objects fired marked) (col-  
oured red)

A tk obstacle (hurdles)


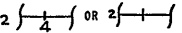
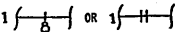
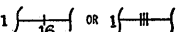

A tk obstacle (stakes)

A tk obstacle (steel sloping-  
frames)



A tk obstacle (asparagus bun-  
dles)

## Section II. River Crossings and Bridge Building

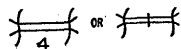
### 1. CROSSINGS

Current	German	U. S.	British
	Übersatzstelle mit 3 grossen Flossäcken.	Crossing point with three large pneumatic floats	Crossing pt with three large inflatable rubber boats
	Übersatzstelle mit 2 Fähren zu 4 t Tragkraft	Crossing point with two 4-ton ferries.	Crossing pt with two 4-ton ferries
	Übersatzstelle mit 1 Fähre zu 8 t Tragkraft	Crossing point with one 8-ton ferry..	Crossing pt with one 8-ton ferry
	Übersatzstelle mit 1 Fähre zu 16 t Tragkraft	Crossing point with one 16-ton ferry.	Crossing pt with one 16-ton ferry
	Übersatzstelle mit 1 Fähre zu 24 t Tragkraft	Crossing point with one 24-ton ferry.	Crossing pt with one 24-ton ferry

### 2. BRIDGES

	Schnellsteg oder Steg.....	Improvised bridge or footbridge.....	Improvised or foot br
	Brücke zu 2 t Tragkraft.....	2-ton bridge.....	2-ton br

**Current**



**German**

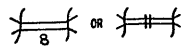
Brücke zu 4 t Tragkraft.....

**U. S.**

4-ton bridge.....

**British**

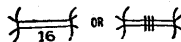
4-ton br



Brücke zu 8 t Tragkraft.....

8-ton bridge.....

8-ton br



Brücke zu 16 t Tragkraft.....

16-ton bridge.....

16-ton br



Brücke zu 30 t Tragkraft.....

30-ton bridge.....

30-ton br



Brücke zu 16 t Tragkraft im Bau.....

16-ton bridge under construction.....

16-ton br under constr

### 3. BRIDGING EQUIPMENT

Uferbalken.....

Sill (bridge).....

Shore transom

Unterzug.....

Intermediate transom (bridge).....

Intermediate transom

Bock.....

Trestle, pile.....

Trestle, pile



Halbponton..... Half-size ponton..... Half-pontoon

Ganzponton..... Full-length ponton..... Pontoon (complete)

M. Boot..... Motor boat..... Mot boat

Fähre aus Halbponton..... Ferry of half-size pontons..... Ferry (constr of half-pontoons)

Fähre aus Ganzponton..... Ferry of full-length pontons..... Ferry (constr of pontoons)










Doppelfähre aus Ganzponton..... Double ferry of full-length pontons..... Double ferry (constr of pontoons)

Fähre aus Ganzponton mit 4 Aubo.... Ferry of full-length pontons with 4 outboard motors Ferry (constr of pontoons) with 4 outboard mots




Fähre aus Halbponton mit 1 Aubo.... Ferry of half-size pontons with 1 outboard motor Ferry (constr of half-pontoons) with 1 outboard mot

Fähre aus Halbponton mit 2 Aubo.... Ferry of half-size pontons with 2 outboard motors Ferry (constr of half-pontoons) with 2 outboard mots








Current	German	U. S.	British
	Doppelfähre aus Ganzponton mit 2 Aubo	Double ferry of full length pontoons with 2 outboard motors	Double ferry (constr of pontoons) with 2 outboard mot
	Fähre aus Halbponton geschleppt	Towed ferry of half-size pontoons	Ferry (constr of half-pontoons) in tow
	Fährseil	Ferrying rope	Tow-rope of ferry
	Fähre am Fährseil aus Halbponton	Ferry of half-size pontoons attached to ferrying rope	Ferry (constr of half-pontoons) on tow-rope
	Doppelfähre am Fährseil und 1 Halbponton mit Aubo	Double ferry attached to ferrying rope and 1 half-size ponton with outboard motor	Double ferry on tow-rope and 1 half-pontoon with outboard mot
	Windanker mit 2 Tauen	Downstream anchor with 2 ropes	Down-stream anchor with 2 cables
	Stromanker mit 1 Tau	Upstream anchor with 1 rope	Up-stream anchor with 1 cable
	Stromanker mit 2 Tauen	Upstream anchor with 2 ropes	Up-stream anchor with 2 cables
	Stromanker mit Kette und 2 Tauen	Upstream anchor with chain and 2 ropes	Up-stream anchor with chain and 2 cables










### Section III. Defensive Positions

Current	German	U. S.	British
	geplante Anlage.....	Projected installation.....	Planned installation
	im Bau befindliche Anlage.....	Installation under construction.....	Installation in constr
	fertige Anlage.....	Completed installation.....	Installation completed

When fortified positions and combat installations serve as command posts, the flag symbols for the appropriate headquarters must be added.

	Panzerwerk mit Maschinenanlage.....	Armored casemate with mechanical installation	Armd casemate with mech installation
	Panzerwerk mit Maschinenanlage und Pak-Drehturm	Armored casemate with mechanical installation and revolving antitank turret	Armd casemate with mech installation and revolving A tk turret
	Panzerwerk mit Maschinenanlage und Artilleriedrehturm	Armored casemate with mechanical installation and revolving artillery turret	Armd casemate with mech installation and revolving arty turret
	Panzerwerk ohne Maschinenanlage....	Armored casemate without mechanical installation	Armd casemate without mech installation
	Panzerwerk ohne Maschinenanlage mit Infanteriebeobachtungsturm	Armored casemate without mechanical installation, with infantry observation turret	Armd casemate without mech installation but incl inf observation turret

Current	German	U. S.	British
★ A	Panzerwerk ohne [Maschinenanlage mit Artilleriebeobachtungsturm	Armored casemate without mechanical installation, with artillery observation turret	Armd casemate without meeh installation but incl arty observation turret
★ N	Panzerwerk ohne Maschinenanlage mit Nachrichtenturm	Armored casemate without mechanical installation, with signal turret	Armd casemate without meeh installation but incl sig turret
← ■	M. G.- Schartenstand bzw. Kasematte	Embrasured machine-gun emplacement or casemate	Embrasured MG emplacement or casemate
↗ ■	M. G.- Doppelschartenstand.....	Double embrasured machine-gun emplacement for fire in 1 direction	Double embrasured MG emplacement for fire in 1 direction
← ■ →	Doppel M. G.- Kasematte.....	Double machine-gun casemate for fire in 2 different directions	Double MG casemate for fire in 2 different directions
┌ ■	Pak-Stand.....	Antitank gun emplacement.....	A tk gun emplacement
↘ ■	M. G.- und Pak-Stand.....	Machine-gun and antitank-gun emplacement	MG and A tk gun emplacement
■	Pak-Unterstellraum.....	Antitank-gun pit.....	A tk gun dugout
← ■	F. K. 16-Stand 7,5 cm.....	Emplacement for 75-mm field gun 16.	Emplacement for 7.5-cm fd gun 16
∞ ■	Flak-Stand 8,8 cm.....	Emplacement for 88-mm anti-aircraft gun	Emplacement for 8.8-cm AA gun

	Stand mit I.H.T. (leichte Haubitze in Turm)	Emplacement with light howitzer in turret	Emplacement with lt how in turret
	Gefechtsstand oder Unterstand ohne Kampfraum	Command post or dugout without field of fire	Advanced HQ or dugout without field of fire
	Gefechtsstand oder Unterstand mit angehängtem Kampfraum	Command post or dugout with adjoining field of fire	Advanced HQ or dugout with field of fire
	Artillerie-Beobachtungsstand.....	Artillery observation post emplacement	Arty OP emplacement
	Artillerie-Beobachtungsstand mit kleinem Artilleriebeobachtungsturm	Artillery observation post emplacement with small artillery observation turret	Arty OP emplacement with small arty observation turret
	Gefechtsstand für Infanteriebeobachtung mit Kleinstglocke	Command post with cupola for infantry observation	Advanced HQ for inf observation (with cupola)
	Gefechtsstand für Infanteriebeobachtung mit Kleinstglocke und Kampfraum	Command post with cupola and field of fire for infantry observation	Advanced HQ for inf observation (with cupola and field of fire)
	Blinkstand für Nachrichtenzwecke....	Blinker light signaling emplacement..	Lamp signalling emplacement
	Unterstand für Nachrichtenzwecke (Grossschaltstelle)	Dugout for signal communications (main switching station)	Sig dugout (main exchange)

Current	German	U. S.	British
	Unterstand mit Funkanlage.....	Dugout with radio installation.....	Dugout equipped with WT
	Sammelerladestand.....	Emplacement for storage [battery charging]	Emplacement] for battery-charging
	Lichtmesstand für Artillerie.....	Artillery flash-ranging emplacement.	Arty F sp emplacement
	Munitionsunterstand.....	Ammunition dugout.....	Amm dugout
	Sanitätsunterstand.....	Medical dugout.....	Medical dugout
	Hochstand für M.G.....	Raised machine-gun position.....	Raised posn for MG
	Hochstand für Artilleriebeobachtung..	Raised artillery observation post position	Raised posn for arty OP
	Geschützchartenstand.....	Embrasured light gun emplacement.	Embrasured gun emplacement
	Kanonenstand.....	Heavy gun emplacement.....	Gun emplacement



miniierter Unterstand, stollenmässig  
oder nach Art der Hohlgänge

Dugout with tunneled or trench pas-  
sages

Dugout with saps or casemate-  
type compartments



Hohlgang.....

Communication trench.....

Crawl trench



Fernsprech-Erdkabel.....

Underground telephone cable.....

Buried sig cable



Erdkabel (bombensicher verlegt).....

Underground cable (buried below  
bomb-crater depth)

Buried sig cable (bomb-  
proofed)



Erdkabel (weitsprechfähig).....

Underground cable (long distance)..

Long-distance cable (buried)



oberirdische Fernsprechlinie.....

Overhead telephone line.....

Overhead sig cable



Schaltstelle (Kabelbrunnen).....

Switching station (cable head).....

Exchange (cable head)

















## Section IV. Tactical Boundaries

Current	German	U. S.	British
— • —	Heeresgruppengrenze.....	Army group boundary.....	Army gp bdy
—	Armeegrenze.....	Army boundary.....	Army bdy
— • • • —	Panzerarmee-grenze.....	Panzer army boundary.....	Pz army bdy
— • — • —	Korpsgrenze.....	Corps boundary.....	Corps bdy
—   —   —   —	Divisionsgrenze.....	Division boundary.....	Div bdy
— • • • • • —	Regimentsgrenze.....	Regimental boundary.....	Regt bdy
— • • • —	Bataillongrenze.....	Battalion boundary.....	Bn bdy
— — — — —	Kompaniegrenze.....	Company boundary.....	Coy bdy
.....	Zielgrenze.....	Target boundary.....	Target bdy
— + — + —	Aufklärungsgrenze.....	Limit of reconnaissance.....	Limit of rece

## Section V. Map Symbols













In paragraphs 1 and 2 of this section are shown the principal symbols to be found on military maps of scales of 1:100,000 and 1:25,000; in paragraphs 3 and 4 are shown symbols to be found on maps of a scale of 1: 25,000.

### 1. HIGHWAYS AND ROADS

1:100,000	1:25,000	German	U. S.	British
		Reichsautobahn.....	National automobile highway.....	Reich mot rd
		I A. Strasse etwa 5,5 m Mindestnutzbreite, mit gutem Unterbau, für Lastkraftwagen zu jeder Jahreszeit unbedingt brauchbar	I A. Highway of 5.5 meters (18 feet) minimum width, firm base, unlimited usability for trucks	I A. rd, 18 ft minimum width, good foundation, usable by lorries at all seasons
		I B. Strasse weniger fest, etwa 4,6 m Mindestnutzbreite, für Lastkraftwagen bedingt brauchbar	I B. Highway of 4.6 meters (15 feet) minimum width, less firm, limited usability for trucks	I B. rd, less firm, 15 ft minimum width, usable with reservations by lorries
		II A. Unterhaltener Fahrweg, für Personenkraftwagen jederzeit brauchbar	II A. Improved road, unlimited usability for passenger cars	II A. rd, maintained, usable by passenger cars at all times
		II B. Unterhaltener Fahrweg, für Personenkraftwagen nicht jederzeit brauchbar	II B. Improved road, limited usability for passenger cars	II B. rd, maintained, not usable by passenger cars at all times
		III. Feld- und Waldweg.....	III. Dirt roads.....	III. Fd and forest rd
		IV. Fussweg (für Reiter brauchbar)...	IV. Footpath (horse-path).....	IV. Footpath (horsepath)
		V. Schneise.....	V. Trail.....	V. Ride





## 2. RAILWAYS

1:100,000	1:25,000	German	U. S.	British
		Eisenbahn, mehrgleisig-----	Railway with more than one track---	Rly with more than one track
		Eisenbahn, eingleisig-----	Single-track railway-----	Single-track rly
		Schmalspurbahn-----	Narrow-gauge railway-----	Narrow-gauge rly
		Strassen-, Feld- und Wirtschaftsbahn--	Street, field, and industrial railway--	Street, fd, and works rlys
		Seil- und Schwebebahn-----	Cable and suspension railway-----	Cable and funicular rlys
		Tunnel-----	Tunnel-----	Tunnel

## 3. BRIDGES AND FERRIES

1:25,000

	Stegbrücke-----	Foot bridge-----	Foot br
	Holzbrücke-----	Wooden bridge-----	Wooden br



Steinbrücke..... Stone bridge..... Stone br



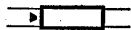
eiserne Brücke..... Iron bridge..... Iron br



Schiffsbrücke..... Ponton bridge..... Pontoon br



Furt..... Ford..... Ford



Schleuse..... Sluice, lock..... Sluice



Wagenfähre..... Vehicle ferry..... Veh ferry



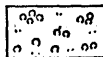
Eisenbahnfähre..... Railway ferry..... Rly ferry



Kahnfähre..... Ferry boat..... Ferry boat

#### 4. MISCELLANEOUS

1:25,000



German

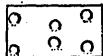
Gebüsch.....

U. S.

Bush, shrubs.....

British

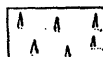
Bushes



Laubwald.....

Woods, deciduous.....

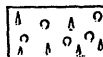
Deciduous wood



Nadelwald.....

Woods, evergreen.....

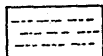
Coniferous wood



Mischwald.....

Woods, mixed.....

Mixed wood



Hutung.....

Pasture.....

Pasture



Park.....

Park.....

Park



Sand oder Kies.....

Sand or gravel.....

Sand or gravel



Bruch mit Torfstich.....

Bog with peat trenches.....

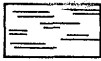
Peat-bog with peat trenches



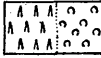
unsicherer Boden.....

Unsafe ground.....

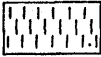
Unsafe ground



nasser Boden..... Wet ground..... Wet ground



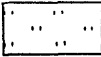
Baumschule..... Tree nursery..... Tree plantation



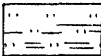
Weinberg..... Vineyard..... Vineyard



Hopfenpflanzung..... Hop plantation..... Hop fd



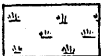
Wiese..... Meadow..... Meadow



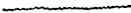
nasse Wiese..... Wet meadow..... Water meadow



Sumpf und Moor..... Marshland..... Swamp and marsh



Heide..... Prairie..... Heath



trockener Graben..... Dry ditch..... Dry ditch



Steinriegel, Steinhaufen..... Stone bar, stone pile..... Stone bar, stone heap

1:25,000



German

hervorragende Bäume

U. S.

Prominent trees

British

Lone trees



Damm, Deich

Dam, dike, embankment

Dam, dyke, embankment



Einschnitt

Cut

Cutting



Ringwall

Rampart

Earthworks



Grube

Quarry

Quarry



Steinbruch

Stone quarry

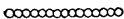
Stone quarry



Mauer

Wall

Wall



Hecke

Hedge

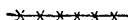
Hedge



Zaun

Fence

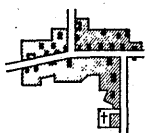
Fence



Drahtzaun

Wire fence

Wire fence



Dorf ..... Village



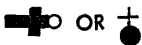
Gehöft ..... Farm



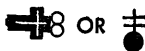
Häuser aus Lehm oder Holz ..... Clay or wooden houses



Häuser aus Stein ..... Stone houses



Kirche mit einem Turm ..... Church with 1 tower



Kirche mit Doppeltürmen ..... Church with 2 towers

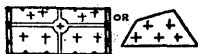


Kirche mit einem Turm weit sichtbar.. Church with 1 tower (landmark)..... Church with 1 tower (landmark)



Kirche mit Doppeltürmen weit sichtbar.. Church with 2 towers (landmark)..... Church with 2 towers (landmark)

1:25,000



**German**

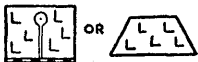
Christen-Friedhof

**U. S.**

Christian cemetery

**British**

Christian cemetery



Nichtchristen-Friedhof

Non-Christian cemetery

Non-Christian cemetery



Einzelgrab

Single grave

Single grave



Kapelle

Chapel

Chapel



Funkstelle

Radio station

WT sta



Funkturm

Radio tower

WT mast



Turm

Tower

Tower



Schornstein

Smokestack

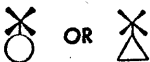
Chimney



Schornstein weit sichtbar

Smokestack (landmark)

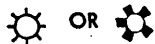
Chimney (landmark)



Windmühle

Windmill

Wind-mill



Wassermühle..... Watermill..... Water-mill



Windmotor..... Windpump..... Wind-pump



Denkmal..... Monument..... Monument



Höhenpunkt..... Point of altitude (in meters)..... Viewpt (elevation in metres)



Schlachtfeld..... Battle field..... Battlefd



Trigonometrischer Punkt..... Triangulation point..... Trig pt



Kilometerstein..... Kilometer marker stone..... Kilometre stone



Feuerschiff..... Lightship..... Lightship



Leuchtturm..... Lighthouse..... Lighthouse



1:25,000



**German**

Wegweiser.....

**U. S.**

Road sign.....

**British**

Signpost



Bake.....

Beacon.....

Beacon



Leuchtbake.....

Light beacon.....

Light-beacon



Ruine.....

Ruins.....

Ruins



Försterei.....

(Forest) ranger station.....

Forester's house



Oberförsterei.....

Chief (forest) ranger station.....

Chief forester's house



Erratischer Block.....

Loose boulder.....

Erratic boulder



Bergwerk, im Betrieb.....

Mine, in operation.....

Mine, in op



Bergwerk, verlassen.....

Mine, abandoned.....

Mine, abandoned



Luftfahrtfeuer, freistehend..... Aircraft beacon, detached..... Aircraft beacon, detached



Luftfahrtfeuer auf Haus..... Aircraft beacon on building..... Aircraft beacon on bldg



Hünengräber..... Prehistoric burial mounds..... Tumuli, barrows



Nivellements punkt..... Precise benchmark..... Spot height

## 5. ABBREVIATIONS USED WITH TOPOGRAPHICAL MAP AND SKETCH SYMBOLS

German		Translation
Abbreviation	Meaning	Translation
A.....	Alp.....	Mountain pasture land, pasturage
Abl.....	Ablage.....	Depot, dump
adl.....	adlig.....	Noble, nobleman's
Anst.....	Anstalt.....	Depot, establishment, institution
B.....	Bach.....	Stream, brook
	Berg.....	Mountain
bäuerl.....	bäuerlich.....	Peasant ( <i>adj.</i> )
Badeanst.....	Badeanstalt.....	Bathing place, public baths
Bew. M.....	Bewässerungsmühle.....	Irrigation mill
Bf, Bhf.....	Bahnhof.....	Railway station
Bge.....	Berge.....	Mountains
Bgr. Pl.....	Begräbnisplatz für Nichtchristen.....	Burial place for non-Christians
Bgw.....	Bergwerk.....	Mine, mining
Blst.....	Blockstelle.....	Signal station, signal box
Br.....	Brunnen.....	Spring, well
Brn.....	Brennerei.....	Distillery
B.W.....	Bahnwärter.....	Railway guard's station, linesman's hut
Ch. S., Ch. Hs.....	Chausseehaus.....	Toll house, toll-gate
D. A.....	Dampferanlegestelle.....	Dock for steamers
Denkm.....	Denkmal.....	Monument
Denkst.....	Denkstein.....	Memorial stone
D.F.....	Dampfschiff-Fähre.....	Steamer ferry
D.M.....	Dampfmühle.....	Steam mill
Dom.....	Domäne.....	Estate, demesne
D.W.....	Dammwärter.....	Dike-watcher's hut
E.F.....	Eisenbahnfähre.....	Train ferry
chem.....	ehemalig.....	Formerly

Ehr. Fdhf. ....	Ehrenfriedhof .....	Military cemetery
El. W. ....	Elektrizitätswerk .....	Power station
Entw. M. ....	Entwässerungsmühle .....	Drainage windmill
Erbbggr .....	Erbbegräbnis .....	Family burial ground
Err. Block .....	Erratischer Block .....	Loose boulder, erratic boulder, drift block
E. St. ....	Eisenbahnstation .....	Railway station
Exerz. Pl. ....	Exerzierplatz .....	Training ground
F .....	{ Fährre .....	Ferry
	{ Försterei .....	(Forest) ranger station, forester's house
Fbr .....	Fabrik .....	Factory
Fl .....	Fluss .....	River
F.P. ....	Festpunkt .....	Reference point
F.Sch. ....	Feuerschiff .....	Lightship
F.St. ....	Funkstelle .....	Radio (WT) station
F.T. ....	Funkturm (über 60 m) .....	Radio tower (WT mast) over 60 meters high
Ft .....	Furt .....	Ford
Gr .....	{ Graben .....	Ditch, water-ditch
	{ gross .....	Great
H .....	Hütte .....	Hut
Hbf .....	Hauptbahnhof .....	Main railway station
H. M. ....	Höhenmarke .....	Permanent important benchmark, spot height
H. O. ....	Hochofen .....	Blast furnace
Hp .....	Haltepunkt .....	Railway stop (halt)
Hr. Wk. ....	Hammerwerk .....	Foundry
Hs .....	Haus .....	House
Hst .....	Haltestelle .....	Railway station (halt)
Hügelgr .....	Hügelgrab .....	Prehistoric grave, cairn barrow, tumulus
Hünenst .....	Hünenstein .....	Prehistoric stone
Jg. Hb. ....	Jugendherberge .....	Youth hostel
J. Htt. ....	Jagdhütte .....	Huntsman's hut
K .....	Kirche .....	Church
(K) .....	Kirche (weithin sichtbar) .....	Church (landmark)
Kan .....	Kanal .....	Canal
Kap .....	Kapelle .....	Chapel

German

Abbreviation	Meaning	Translation
Kas	Kaserne	Barracks
K.D.	Kulturgeschichtliches Denkmal	Historical monument
K.F.	Kahnfähre	Boat ferry
Kgr	Kiesgrube	Gravel pit
Khf	Kirchhof	Churchyard
Klbf	Kleinbahnhof	Small railway station
Klst	Kloster	Monastery, <sup>n</sup> convent
Klt	Kelter	Winepress
K.O.	Kalkofen	Limekiln
Kol	Kolonie	Colony
Kr	Krug	Inn
Lgr	Lehmgrube	Clay pit
L.M.	Lohmühle	Tanning mill
Lpl	Ladeplatz	Loading place, wharf
Lst	Ladestelle	
Luftf	Luftfahrtfeuer	Air navigation beacon
M	Mühle	Mill
(M)	Mühle (weithin sichtbar)	Mill (landmark)
Mag	Magazin	Magazine, depot
Mgr	Mergelgrube	Marl pit
M.H.	Meierhof	Farmhouse
Mlst	Meilenstein	Milestone
M.M.	Mahlmühle	Grinding mill
Molk	Molkerei	Dairy
Mus	Museum	Museum
Naph. Br.	Naphtabrunnen	Naphtha well, oil well
N.D.	Naturdenkmal	Monument (natural feature)
Ndr	Nieder	Lower, nether
N.P.	Nivellements punkt	Precise benchmark, spot height

N. S. G. -----	Naturschutzgebiet -----	National park, nature sanctuary
Obr -----	Ober -----	Upper
O.F. -----	Oberförsterei -----	Forestry headquarters, head ranger's house
O.M. -----	Ölmühle -----	Oil mill
P -----	Pegel -----	Water gauge
Pap. M. -----	Papiermühle -----	Paper mill
Pav -----	Pavillon -----	Pavilion
P.F. -----	Personenfähre -----	Passenger ferry
Pl -----	Platz -----	Place, square, etc.
P. M. -----	Pulvermühle -----	Powder mill
Pr -----	Preussisch -----	Prussian
Pumpw -----	Pumpwerk -----	Pumping station
Pvhs -----	Pulverhaus -----	Powder magazine
Qu -----	Quelle -----	Spring
R -----	Ruine -----	Ruins
Rbf -----	Reichsbahnhof -----	State railway station
Res -----	Reservoir -----	Reservoir
Röm. Ndlg., R.N. -----	Römische Niederlassung -----	Roman ruins, remains
S -----	{ See -----	Lake
	{ Schornstein -----	Chimney
(S) -----	Schornstein (weithin sichtbar) -----	Chimney (landmark)
Sch -----	Scheune -----	Barn
Schäf -----	Schäferei -----	Sheep farm
Schiess-St. -----	Schiess-Stand -----	Rifle range
Schl -----	Schloss -----	Castle
Schl. M. -----	Schleifmühle -----	Grinding mill
Schlse -----	Schleuse -----	Lock, sluice
Schp -----	Schuppen -----	Shed
S.F. -----	Seilfähre -----	Cable ferry
S.H. -----	Sennhütte -----	Alpine herdsman's hut, alpine chalet
S.M. -----	Sägemühle -----	Sawmill
Soldgr -----	Soldatengrab -----	Soldier's grave
S. P. -----	Schreibpegel -----	Recording water gauge
Sp.Pl. -----	Sportplatz -----	Sports ground, playing field

German

Abbreviation	Meaning	Translation
Spr.Sch., Spr.Hgl.	Sprungschanze,-hügel	Ski jump
St	{ Stall	Stable, outhouse
	{ Stollen	Gallery (mining)
staatl	staatlich	State ( <i>adj.</i> )
St.Br.	Steinbruch	Quarry
Sgr	Steingrube	
Stk	Steinkohle	Coal
Stsbf	Staatsbahnhof	State railway station
S. W.	Sägewerk	Sawmill
T	{ Teich	Pond
	{ Turm	Tower
(T)	Turm (weithin sichtbar)	Tower (landmark)
Tgr	Tongrube	Clay pit
T.O.	Teerofen	Tar works
U	Umformer	Transformer
unt	unter	Lower, nether
Usps	Umspannerhaus	Transformer
W	Warte	Watchtower
Wasserw	Wasserwerk	Waterworks
Wbh	Wasserbehälter	Reservoir
W.F.	Wagenfähre	Vehicle ferry
Wf	Wasserfall	Waterfall
Whr	Weiher	Fish pond
Whs	Wirtshaus	Inn
Wltg	Wasserleitung	Aqueduct
W.T.	Wasserturm	Water tower
W.W.	Waldwärter	Game warden's (keeper's) house
Zgl	Ziegelei	Brickyard
Z.O.	Zementofen	Cement works
Zollhs	Zollhaus	Customhouse

## Section VI. Air-Ground Communications

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**1. GENERAL.** Ground forces may identify themselves or communicate with aircraft by smoke signals, by yellow or white cloth panels, by the display of swastika flags or recognition fans, and by the employment of other auxiliary signals.

German aircraft may identify themselves or communicate with ground forces by prearranged recognition Very signals, by dropped smoke signals, by recognition lights, and by dropped messages.

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### 2. GROUND TO AIR

a. Orange-colored Smoke Signal. This is the principal signal used by ground troops and means "Friendly troops," "We are here." White Very signals may also be used for this purpose.

b. Yellow Panels. These panels are used to indicate the most advanced line only. They are employed for this purpose exclusively and mean "Here is our most advanced line." When laid side by side they are easily recognizable from medium altitude. White panels or red (in winter) are used for identification purposes by troops behind the front lines and in the rear areas.

c. Swastika Flags. These flags mean "Friendly troops," "We are here." Swastika flags are employed to indicate advanced lines only when yellow panels are not available. Generally, they are used in the rear areas and especially by transport columns, etc. Inasmuch as they are hard to recognize, they are customarily used in conjunction with orange smoke signals.

d. Emergency Signals. These signals are used only when no other means of identification are available. The waving of steel helmets, handkerchiefs, etc., may be employed for this purpose.

e. Recognition Fans. Recognition fans (*Erkennungsfächer*) are round fans of steel frames, covered with white cloth on one side and red cloth on the other side (the latter color to be displayed on snow or sand). The fans are collapsible and are carried in a canvas bag attached to the belt. When recognition is requested, they are promptly opened and laid on the ground. These fans are employed in the foremost lines only.



Tanks which hitherto have been using swastika flags, yellow panels, etc., as recognition signals have recently been equipped with new "recognition Venetian blinds" (*Erkennungsjalousien*). When closed, these blinds blend with the color of tanks (gray); when opened, they display a solid white or (in winter) red surface.

f. Ground Panels. These panels are employed by ground forces to communicate with aircraft. The usual length of the panels is 5 meters, and the color is white (red in winter or on sandy soil).

Ground panel	German	Translation
□□□	eigene vordere Linie.....	Own front line (yellow panels)
+	Abwurfstelle für Meldungen und Versorgungsgut.....	Dropping point for messages and provisions
V	Verstanden, ja.....	Understand, yes
Y	nicht verstanden.....	Do not understand
▽	nein.....	No
◇	Alles in Ordnung.....	Everything is in order (OK)
Z	Ziel (mit daneben ausgelegter Zahl).....	Target (with number laid out beside it)

Nummern:










Numerals:

1	1.....	1
II	2.....	2
III OR H	3.....	3
4	4.....	4
V OR V	5.....	5
VI	6.....	6
VII	7.....	7
X OR ΔI	8.....	8
IX OR IX	9.....	9
— — OR X	0.....	0

**Ground panel**

**German**

**Translation**

	Abteilung oder Bataillon.....	Battalion (battery, unit)
	Regiment.....	Regiment
	Division.....	Division
	Abwurfstelle für Abteilung.....	Dropping point for battalion (battery, unit)
	Abwurfstelle für Regiment.....	Dropping point for regiment
	Abwurfstelle für Division.....	Dropping point for division
	abgefeuert.....	Fired
	Batterie feuerbereit.....	Battery (troop) ready
	Batterie nicht feuerbereit.....	Battery (troop) not ready

H	Batterie geht wieder zum geschützweisen Feuer über...	Battery (troop) resumes fire by piece (individual gun)
⌘	Batterie nimmt den angeforderten Zielwechsel vor....	Battery (troop) commences fire at newly designated target
⊥	Feuer beendet.....	Firing ceased
VV	Wirkungsschiessen.....	Fire for effect
⊥	feindlicher Widerstandsnest.....	Enemy resistance point (vertical line points toward enemy)
≡	feindliche Artillerie Stellungen.....	Enemy artillery positions
↑	Wir gehen vor.....	We are advancing
∩	Wir sind eingeschlossen.....	We are surrounded
⊏	Feind bereitet Angriff vor.....	Enemy preparing to attack
A	Feind greift an.....	Enemy attacking

**Ground panel**

III

**German**

Feind in unsere Stellungen eingedrungen.....

**Translation**

Enemy penetrated our position

┌-

Feind links von uns eingedrungen.....

Enemy penetrated to our left

-┐

Feind rechts von uns eingedrungen.....

Enemy penetrated to our right

N

feindl. Angriff abgeschlagen.....

Enemy attack repulsed

---

Wir halten die Linie.....

We are holding the line

X X

Abwurfstelle für Vorräte.....

Dropping point for supplies

L

Unterstützung nötig.....

Reinforcements needed

V-

Verpflegung nötig.....

Provisions needed

└-  
- -

Wasser nötig.....

Water needed

T

Betriebsstoff nötig----- Motor fuel (POL) needed

H

Munition nötig----- Ammunition needed

E

le. Granatwerfermunition nötig----- Light mortar ammunition needed

B

s. Granatwerfermunition nötig----- Heavy mortar ammunition needed

B

Artilleriemunition nötig----- Artillery ammunition needed (75-mm)

B

Nebelgranaten nötig----- Smoke shells needed (105-mm)

B

Pakmunition nötig----- Antitank ammunition needed (37-mm)

E

2 cm Munition nötig----- 20-mm ammunition needed

A

Funkausrüstung nötig----- Radio (WT) equipment needed

Ground panel



German

medizinische Vorräte dringend nötig

Translation

Medical supplies urgently needed



Landungsmöglichkeit

Landing possible here



keine Landungsmöglichkeit

Landing impossible here



feindlicher Widerstand

Enemy resistance



höchste Gefahr

Extreme danger



gibt an ob unser Artilleriefeuer wirksam ist

Indicate if our artillery fire effective



gibt die Stellungen der von uns vorgeschobenen Einheiten an

Indicate positions of friendly units to our front



feindl. Widerstand auf 100 m

Enemy resistance at 100 meters













feindl. Widerstand auf 200 m

Enemy resistance at 200 meters



feindl. Widerstand auf 300 m

Enemy resistance at 300 meters (additional horizontal lines increase meters up to 900)

	feindl. Widerstand auf 1000 m.....	Enemy resistance at 1,000 meters
	feindl. Widerstand auf 1100 m.....	Enemy resistance at 1,100 meters
	feindl. Widerstand auf 1200 m.....	Enemy resistance at 1,200 meters (additional horizontal lines increase meters up to 1,900)
	feindl. Widerstand auf 2000 m.....	Enemy resistance at 2,000 meters
	feindl. Widerstand auf 3000 m.....	Enemy resistance at 3,000 meters (additional vertical lines increase meters up to 9,000)
	höchste Gefahr auf 100 m.....	Extreme danger at 100 meters (as above, additional horizontal lines increase distance by hundreds)
	höchste Gefahr auf 2200 m.....	Extreme danger at 2,200 meters
	Feindpanzer.....	Enemy tank
	Feindpanzer auf 1000 m.....	Enemy tank at 1,000 meters
	Feindpanzer auf 2100 m.....	Enemy tank at 2,100 meters



---

### 3. AIR TO GROUND

#### a. Light Signals

	<b>Signal</b>	<b>Meaning</b>
<i>White</i>	Very signal (also deep circling and tipping of wings)-----	Ground forces are requested to identify themselves
<i>Green</i>	Very signal (also deep circling and tipping of wings)-----	Observer desires to drop a message. Ground troops are to indicate dropping point
<i>Red</i>	Very signal or <i>red</i> smoke signal (to be fired or dropped over target)-	Enemy antitank defense, such as antitank gun, anti-aircraft gun or tank obstacle
<i>Blue or violet</i>	Very signal or <i>blue</i> smoke signal (to be fired or dropped over target)	Enemy tanks or armored cars in considerable number

---

b. Dropped Messages. Aircraft may also communicate with the ground by means of dropped messages. These messages may be enclosed in tubes that emit light-yellow smoke when dropped, or in red-and-white cloth containers. A number code, supplemented by clear text if necessary, is employed.









## Section VII. Semiofficial Auxiliary Symbols

















In addition to the foregoing official military symbols, there exists a number of semiofficial auxiliary symbols which are found in various manuals and are widely used.

Since these auxiliary symbols originated independently, there is no uniformity in the following series. It will be noted that sometimes two or three symbols are given for one subject, and even this number does not exhaust the possibilities.











No attempt has been made to compile an extensive list of these auxiliary symbols. Only those most frequently encountered are given here.

### 1. PERSONNEL



Current	German	U. S.	British
	Regimentskommandeur.....	Regimental commander.....	Regt comd
	Bataillonskommandeur.....	Battalion commander.....	Bn comd
 OR  OR 	Kompanieführer.....	Company commander.....	Coy comd
 OR  OR 	Zugführer.....	Platoon leader.....	Pl comd

Current	German	U. S.	British
 OR  OR 	Gruppenführer.....	Squad leader.....	Sec comd
 OR 	Oberfeldwebel.....	"Oberfeldwebel" (technical sergeant)...	CSM
 OR 	Feldwebel.....	"Feldwebel" (staff sergeant).....	Sjt
	Komp.-Truppführer.....	Leader of company Hq detachment....	CSM
	Zugtruppführer.....	Leader of platoon Hq detachment.....	Pl sjt
 OR 	Truppführer, stell. Gruppenführer..	Detachment leader, assistant squad leader	Sec comd, 2 IC sec
	Kradstaffelführer.....	Leader of motorcycle detachment.....	MC NCO at coy, etc., HQ
 OR 	Schirrmeister.....	Supply sergeant.....	NCO storeman
	Sanitätsfeldwebel.....	Medical sergeant.....	Medical sjt
	Waffenfeldwebel.....	Armorer.....	Armourer sjt

○ Fe	Fernsprecher.....	Telephone operator.....	Tele op
○ Fu	Funker.....	Radio operator.....	WT op
○ Fu	Funkmeister.....	Radio sergeant.....	Sig NCO
○ N	Führer der Nachrichtenstaffel.....	Leader of signal detachment.....	Comd of sig det
● P	Führer d. Pz.B. Trupp.....	Leader of antitank rifle detachment...	Comd of A tk rifle det
⊕	Führer des Gefechstrosses.....	Leader of combat train.....	Comid of battle tpt ech
⊗	Radfahrer.....	Bicyclist.....	Bicyclist
○ <sub>w</sub> OR ⊗	Waffen- zugl. Gerät-Unteroffizier....	Sergeant in charge of weapons and equipment.	NCO IC tech stores
⊙	Kompanie-Trupp.....	Company Hq detachment.....	Coy HQ
○	Schütze.....	Rifleman.....	Rfn

Current	German	U. S.	British
	Richtschütze .....	Layer .....	Layer
 OR 	Entfernungsmesser .....	Range finder .....	Range-taker
	Melder, Zugtrupp .....	Runner, platoon Hq detachment .....	Orderly at pl HQ
	Melder, Kompanietrupp .....	Runner, company Hq detachment .....	Orderly at coy HQ
	Schütze 1, l.M.G. ....	No. 1 gunner, machine gun (bipod) <sup>1</sup> .....	No. 1 on LMG
	Schütze 2-5, l.M.G. ....	Nos. 2-5 gunners, machine gun (bipod) <sup>1</sup> .....	Nos. 2-5 on LMG
	Schütze 1, l.Gr.W. ....	No. 1 gunner, light mortar .....	No. 1 on lt mortar
	Schütze 2, l.Gr.W. ....	No. 2 gunner, light mortar .....	No. 2 on lt mortar
	Schütze 1, Pz.B. ....	No. 1 gunner, antitank rifle .....	No. 1 on A tk rifle

<sup>1</sup> See A, sec. VI, p. 17, note 1, above.

○ P	Schütze 2, Pz.B.-----	No. 2 gunner, antitank rifle-----	No. 2 on A tk rifle
▲	Uffz. als K.W. Fahrer-----	Sergeant driver-----	Cpl dvr
△	Fahrer f. Pferdegespann-----	Driver of horse-drawn vehicle-----	Dvr of HD veh
△ OR 	Fahrer f. Kraftwagen-----	Motor vehicle driver-----	MT dvr
○ Pf OR  OR ○ Pf	Pferdewärter-----	Horseholder-----	Horseholder
🔍	Scherenfernrohrträger-----	Man with BC telescope-----	Man with scissors-telescope
○ K	Koch-----	Cook-----	Cook
○ V	Verpflegungsmann-----	Storekeeper-----	Sup detail
⊕ OR (K)	Krankenträger-----	Litter bearer-----	SB
🎺	Spielmann b. Kp.Trupp-----	Company bugler-----	Coy bugler

Current

German

U. S.

British



Spielmann b. Zugtrupp ----- Platoon bugler ----- Pl bugler

## 2. EQUIPMENT



Pferd ----- Horse ----- Horse



Tragtier ----- Pack animal ----- Mule



le. Krad ----- Light motorcycle ----- Lt MC



m. Krad ----- Medium motorcycle ----- Med MC



s. Krad mit Beiwagen ----- Heavy motorcycle with sidecar ----- Hy MC with combination












1-achs. Bespannfahrzeug ----- Horse-drawn vehicle (single axle) ----- HD veh (single axle)












2-achs. Bespannfahrzeug ----- Horse-drawn vehicle (double axle) ----- HD veh (double axle)



1-spanniger Gebirgskarre ----- Single animal-drawn mountain cart ----- One-horsed mtn cart

	Pkw. le, m, s.....	Passenger vehicle, light, medium, heavy.....	Car, lt, med, hy
	gl. Pkw., le, m, s.....	Cross-country passenger vehicle, light, medium, heavy	Cross-country car, lt, med, hy
	Lkw., le, m, s.....	Truck, light, medium, heavy.....	Lorry, lt, med, hy
	gl. Lkw., le, m, s.....	Cross-country truck, light, medium, heavy	Cross-country lorry, lt, med, hy
	Kommando-Panzerwagen.....	Half-track command vehicle.....	ACV
	Pionier-Panzerwagen.....	Engineer half-track vehicle.....	AV engr
	Schützenpanzerwagen.....	Half-track personnel carrier.....	Armd tp carrier
	Zugkraftwagen.....	Prime mover.....	Tractor
	Land- u. Wasserschlepper.....	Special tractor for towing barges.....	Special tractor for barge-tow- ing



Current	German	U. S.	British
	Pkw. mit Zugvorrichtung.....	Passenger vehicle with towing device...	Car with towing attachment
	Pkw. mit Pak.....	Passenger vehicle with towed antitank gun	Car towing A tk gun
	Pkw. mit Muni-Anhänger.....	Passenger vehicle with ammunition trailer	Car with amm limber
	Mun. Wagen.....	Ammunition wagon.....	Amm HD veh
	Gefechtskarre.....	Combat cart.....	Battle cart
	Pontonwagen.....	Ponton wagon.....	Pontoon HD veh
	Sturmbootwagen.....	Assault-boat wagon.....	Assault boat HD veh
	Bockwagen.....	Bridge pile wagon.....	Pile HD veh
	M. Bootanhänger.....	Trailer, carrying motorboat.....	Mot boat trailer



Drucklifterzeuger..... Air compressor wagon..... Compressor HD veh



Belagwagen..... Bridge planking material wagon..... HD veh carrying chesses



Trägerwagen..... Girder wagon..... HD veh carrying trestles



Rampenwagen..... Bridge transom wagon..... HD veh carrying sliding transoms



Sturmboot..... Assault boat..... Assault boat



Halbponton..... Half-size ponton..... Half-ponton



Ganzponton..... Full-length ponton..... Pontoon



Feldküche..... Field kitchen..... Fd kitchen



Feldküche am Wagen..... Field kitchen on truck..... Fd kitchen on truck

# MEMORANDA

**MEMORANDA**

## **MEMORANDA**

# MEMORANDA

**MEMORANDA**

# MEMORANDA



# MEMORANDA

**PART 2**

---

**AIR FORCE**

## A. BASIC SYMBOLS AND COMPOSITION OF TACTICAL SYMBOLS

### Section I. Basic Symbols for Headquarters

The German Air Force terms listed below lack equivalents, and their literal translation would lead to confusion. Therefore, they are quoted in the original German in both the U. S. and the British columns.

*Luftflotte*: Large Air Force operational and administrative command

*Luftgau*: Air Force administrative district

*Fliegerdivision*: Subordinate Air Force operational command (division status)

*Fliegerkorps*: Subordinate Air Force operational command (corps status)

*Flak-Gruppe*: Antiaircraft defense area command (regimental status)

*Flak-Untergruppe*: Antiaircraft defense area command (battalion status)

*Geschwader*: Roughly equivalent to U. S. and British "wing"

*Gruppe*: Roughly equivalent to U. S. and British "group"

*Staffel*: Roughly equivalent to U. S. and British "squadron"

*Reserve*: The Germans apply this term, employed in connection with antiaircraft units, with great inconsistency. It does not always imply that such units are held in reserve. In some cases it is used to indicate that the tables of organization (war establishments) of such units differ from those of standard antiaircraft units.

Current



German

U. S.

British

Luftflottenkommando..... Hq of a "Luftflotte" (army status)..... HQ "Luftflotte" (army status)

Korpskommando..... Hq of corps status..... HQ corps status

Divisionskommando..... Hq of division status..... HQ div status

Brigadekommando..... Hq of brigade status..... HQ bde status

Stab eines Regiments (Geschwader, Flak-Gruppe usw.) Hq of regimental ("Geschwader," anti-aircraft "Gruppe," etc.) status HQ regt ("Geschwader," AA "Gruppe," etc.) status

Stab einer Abteilung (Gruppe, Flak-Untergruppe usw.) Hq of battalion ("Gruppe," anti-aircraft "Untergruppe," etc.) status HQ bn ("Gruppe," AA "Untergruppe," etc.) status

Führer einer Kompanie (Staffel, Batterie usw.) Hq (or commander) of company ("Staffel," battery, etc.) status HQ coy ("Staffel," bty, etc.) status

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The branch of service is indicated by the addition of the appropriate basic symbol. **EXAMPLES:**










Old



Stab einer Fliegerdivision..... Hq of a "Fliegerdivision"..... HQ "Fliegerdivision"

Stab einer Flakbrigade..... Hq of an anti-aircraft brigade..... HQ AA bde

## Section II. Old System of Basic Symbols for Branches of Service (Arms and Services), Guns, Installations, and Services

Old	German	U. S.	British
	Fliegertruppe, Stäbe.....	Hq of flying units.....	HQ general duties personnel
	Fliegertruppe, Truppe.....	Flying units.....	General duties personnel
	Kampfflieger.....	Bomber.....	Bomber
	Sturzkampfflieger.....	Dive bomber.....	Dive bomber
	Schlachtfieger.....	Ground-attack fighter.....	Ground-attack fighter
	Jagdfieger.....	Single-engine fighter.....	Single-engine fighter
	Zerstörer.....	Twin-engine fighter.....	Twin-engine fighter
	Aufklärer (F).....	Long-range reconnaissance aircraft.....	Long-range recce aircraft
	Aufklärer (H).....	Army reconnaissance aircraft.....	AC aircraft



Aufklärer einer Stabsstaffel..... Reconnaissance aircraft of a Hq Recce aircraft of a HQ "Staffel"  
"Staffel"



Küstenflieger..... Coastal aircraft..... Coastal aircraft



Seeflugzeug..... Seaplane..... Seaplane



Flugzeugträger..... Aircraft carrier..... Aircraft carrier



Bordflugzeug..... Ship-based aircraft..... Ship-based aircraft



Stäbe der Fallschirmtruppe..... Hq of parachute troops..... HQ paratps



Fallschirmtruppen..... Parachute troops..... Paratps



Stäbe der Luftlandetruppen..... Hq of air-landing troops..... HQ air ldg tps



Luftlandetruppen..... Air-landing troops..... Air ldg tps



Stäbe der Luftlande-Sturmtruppen..... Hq of air-landing assault troops..... HQ air ldg assault tps

Old

	German	U. S.	British
●	Luftlande-Sturmtruppen-----	Air-landing assault troops-----	Air ldg assault tps
○	Stäbe der Flakartillerie-----	Hq of antiaircraft artillery units-----	HQ AA arty units
○	Einheiten der Flakartillerie-----	Antiaircraft artillery units (battery and lower)	AA arty units
⊙	Verbände der Flakartillerie-----	Antiaircraft artillery units (battalion and higher)	AA arty fmns
⊙	Stäbe der Reserve-Flakartillerie---	Hq of "Reserve" antiaircraft artillery units	HQ "Reserve" AA arty units
⊙	Reserveeinheiten der Flakartillerie_	"Reserve" antiaircraft artillery units (battery and lower)	"Reserve" AA arty units
⊙	Reserveverbände der Flakartillerie_	"Reserve" antiaircraft artillery units (battalion and higher)	"Reserve" AA arty fmns
	2 cm Geschütz-----	20-mm gun-----	2-cm gun
	3,7 cm Geschütz-----	37-mm gun-----	3.7-cm gun

卅

8,8 cm Geschütz..... 88-mm gun..... 8.8-cm gun

↑

10,5 cm Geschütz..... 105-mm gun..... 10.5-cm gun

✱

Scheinwerfer..... Searchlight..... SL

9

Sperrballon oder Drache..... Barrage balloon or kite..... Barrage balloon or kite

⋮

Flugabwehr-Maschinengewehr.... Antiaircraft machine gun..... AA MG

☐

Stäbe der Luftnachrichtentruppe.. Hq of Air Force signal units..... HQ GAF sigs troops

☐

Verbände der Luftnachrichtentruppe Air Force signal units (battalion and higher) Special GAF sigs fmns

∕

Fernsprechbetrieb..... Telephone operating..... Phone op










8


Fernschreibbetrieb..... Teletype operating..... Teleprinter op


Y


Fernsprechbau..... Telephone construction..... Phone constr




Old	German	U. S.	British
	Telegrafenaubau.....	Telegraph construction.....	Tele constr
	Funksendebetrieb.....	Radio transmission operating.....	W/T transmission
	Funkempfangsbetrieb.....	Radio reception operating.....	W/T reception
	Funkpeilbetrieb.....	Radio beam operating.....	D/F
	Leuchtfeuer.....	Light beacon.....	Light beacon
	Flugmeldedienst.....	Aircraft reporting service.....	Aircraft reporting service
	Luftnachrichtentrupp.....	Air Force signal detachment.....	GAF sig det
	Luftwaffenbautruppen.....	Air Force construction troops.....	GAF constr units
	Flughafenbetriebseinheit.....	Airfield servicing unit.....	Airfd servicing unit

 Flugplatz (Land)----- Landing ground----- Ldg ground

 Flugplatz (See)----- Landing area for seaplanes----- Ldg area for seaplanes

 Nachschubdienststellen und sonstige Dienste Supply service stations and other services Sup service sta and other services

 Einheiten ohne besondere takt. Zeichen Units without special tactical symbols-- Units without special tact symbols

+ Sanitätsdienste----- Medical services----- Medical services


== Kolonnen----- Columns----- Coins

---

Examples of tactical symbols composed from the above basic symbols are as follows:

 Kampfgruppe----- Bomber "Gruppe"----- Bomber "Gruppe"

 Kampfstaffel----- Bomber "Staffel"----- Bomber "Staffel"

 Stabsstaffel eines Kampfeschwaders Hq "Staffel" of a bomber "Geschwader"-- HQ "Staffel" of a bomber "Geschwader"

 Sturzkampfstaffel----- Dive-bomber "Staffel"----- Dive-bomber "Staffel"

Old



German

U. S.

British

Schlachtstaffel..... Ground-attack fighter "Staffel"..... Ground-attack fighter "Staffel"



Jagdstaffel..... Single-engine fighter "Staffel"..... Single-engine fighter "Staffel"



Zerstörerstaffel..... Twin-engine fighter "Staffel"..... Twin-engine fighter "Staffel"



Aufklärungsstaffel (F)..... Long-range reconnaissance "Staffel".... Long-range reconce "Staffel"



Aufklärungsstaffel (H)..... Army reconnaissance "Staffel"..... AC reconce "Staffel"



Küstenfliegerstaffel (M) mit Kampfflugzeugen (Ld) Coastal "Staffel" (Navy) with land-based bombers Coastal "Staffel" (Navy) with land-based bombers



Küstenfliegerstaffel (M) mit Kampfflugzeugen (See) Coastal "Staffel" (Navy) with bombers (sea) Coastal "Staffel" (Navy) with bombers (sea)



Träger-Jagdstaffel..... Carrier-based fighter "Staffel"..... Carrier-based fighter "Staffel"



Bordaufklärer..... Ship-based reconnaissance aircraft..... Ship-based reconce aircraft



Stab eines Fallschirmjäger-Regiments Hq of a parachute infantry regiment... HQ para regt



Fallschirmjägerkompanie..... Parachute infantry company..... Para coy



Stab eines Luftlandebataillons.... Hq of an air-landing battalion..... HQ air ldg bn



Luftlande-Nachschubkompanie... Air-landing supply company..... Air ldg sup coy



Flughafenbetriebskompanie einer Aufklärungsgruppe (F) Airfield servicing company of a long-range reconnaissance "Gruppe" Airfd servicing coy of a long-range recce "Gruppe"



Fliegerhorst (See)..... Air base (sea)..... Air base (sea)



Luftwaffen-Baubataillon..... Air Force construction battalion..... GAF constr bn



Stab einer Flakabteilung..... Hq of an antiaircraft battalion..... HQ AA bty



Flakbatterie (8,8 cm)..... 88-mm antiaircraft battery..... 8.8-cm AA tp

Old



**German**

**U. S.**

**British**

Flakabteilung .....	Antiaircraft battalion .....	AA bty
Stab einer Reserve-Flakabteilung	Hq of a "Reserve" antiaircraft bat- talion	HQ "Reserve" AA bty
Reserve-Flakbatterie (8, 8 cm) ----	88-mm "Reserve" antiaircraft battery --	8.8-cm "Reserve" AA tp
Reserve-Flakabteilung .....	"Reserve" antiaircraft battalion .....	"Reserve" AA bty
Flakbatterie (2 cm) .....	20-mm antiaircraft battery .....	2-cm AA tp
Flakbatterie (3,7 cm) .....	37-mm antiaircraft battery .....	3.7-cm AA tp
Flakbatterie (8,8 cm) .....	88-mm antiaircraft battery .....	8.8-cm AA tp
Flakbatterie (10,5 cm) .....	105-mm antiaircraft battery .....	10.5-cm AA tp
Flakscheinwerferbatterie (150 cm) -	150-cm antiaircraft searchlight battery -	150-cm AA-SL tp



Luftsperrbatterie..... Barrage balloon battery..... Balloon barrage tp



Flugabwehr-Maschinengewehr-Reservezug "Reserve" antiaircraft machine-gun platoon "Reserve" AA-MG platoon



Stab eines Luftnachrichtenregiments Hq of an Air Force signal regiment.... HQ GAF sigs regt



Luftnachrichtenabteilung..... Air Force signal battalion..... GAF sigs bn



Fernsprechkompanie..... Telephone company..... Phone coy



Fernsprech- und Fernschreibbetriebskompanie Telephone and teletype operating company Phone and teleprinter op coy



Fernsprechbaukompanie..... Telephone construction company..... Phone constr coy



Telegraphenbaukompanie..... Telegraph construction company..... Tele constr coy



Funkkompanie..... Radio company..... W/T coy



Funkhorchkompanie..... Radio interception company..... W/T intercept coy

Old



German

Flugsicherungskompanie

U. S.

Flight control company

British

Air safety coy



schwerer Leuchtfeuertrupp

Heavy light-beacon detachment

Hy light-beacon det



Flugwachkommando

Aircraft guard detachment

Observer corps det



Funkempfangstrupp

Radio reception detachment

W/T reception det



Luftpark

Air Force equipment park

GAF eqpt pk



Wetterbezirkszentrale

Meteorological district center

Met dist centre



Leichtverwundetensammelplatz

Collecting point for slightly wounded

Collecting pt for minor cases



Nachschubkolonnen-Abteilungsstab

Hq of a supply column battalion

HQ sup coln bn








### Section III. Supplementary Letters

The following supplementary letters, when used, appear to the *right* of the tactical symbols:

German		U. S.	British
Abbreviation	Meaning		
A	Ausbildung	Training	Trg
E	E(Einsatz)-Hafen	Operational airfield	Operational airfd
Er	Ergänzung, Ersatz	Reserve, replacement	Reserve, replacement
f. f. A.	für feste Anlagen	For permanent installation	For permanent installation
G	Luftgau	"Luftgau"	"Luftgau"
gel	geländegängig	Cross-country	Cross-country
H	Heer	Army	Army
Kw	Kraftwagen	Motor vehicle	Motor veh
l, le	leicht	Light	Light
Le	Lehrverband	Demonstration unit	Demonstration unit
Lh	Leithorst	Controlling air base	Controlling air base
m	mittel	Medium	Med
mot	motorisiert	Motorized	Mech
Ob.d.L.	Oberbefehlshaber der Luftwaffe	Commander in Chief of the German Air Force	C-in-C of GAF
Res	Reserve	"Reserve"	"Reserve"
s	schwer	Heavy	Hy
St	Stab oder Stabs	Hq	HQ
tmot	teilmotorisiert	Partly motorized	Part mech
Vers	Versuchseinheit	Experimental unit	Experimental unit
z. b. V.	zur besonderen Verwendung	For special employment	For special employment



EXAMPLES:



Old	German	U. S.	British
	Luftnachrichtenstelle eines E-Hafens	Air Force signal office of an operational airfield	GAF sigs office of an operational airfd
	Stab eines Flieger-Ergänzungsbataillons	Hq of a flying-personnel replacement battalion	HQ replacement flying bn
	Stab eines Luftgau-Nachrichtenregiments	Hq of a "Luftgau" signal regiment	HQ "Luftgau" sigs regt
	leichter Fernsprechbautrupp-----	Light telephone construction detachment	Lt phone constr det
	schwerer Fernsprechbautrupp-----	Heavy telephone construction detachment	Hy phone constr det
	Leithorst-Nachrichtenkompanie-----	Controlling air base signal company	Controlling air base sigs coy
	Stabsnachrichtenkompanie-----	Signal company of a Hq-----	Sigs HQ coy

The following supplementary letters, when used, appear to the *left* of the tactical symbols:

German

Abbreviation	Meaning	U. S.	British
F.....	Festungs.....	Fortress.....	Fortress
V.....	Verteidigung.....	Defense.....	Def
Vierl.....	Vierling.....	Four-barreled.....	Four-barrelled

EXAMPLES:

	Stab einer Festungsflakabteilung...	Hq of a fortress antiaircraft bat- talion	HQ fortress AA bn
	Kommando einer Luftverteidi- gungszone	Hq of an air defense zone.....	HQ air def zone

## Section IV. Supplementary Numerals

Arabic numerals placed to the *right* of the tactical symbols indicate the numbers of the following units:

German	U. S.	British
Luftflottenkommando.....	Hq of a "Luftflotte".....	HQ "Luftflotte"
Fliegerdivision.....	"Fliegerdivision".....	"Fliegerdivision"
Regiment (Geschwader, Flak-Gruppe usw.)	Regiment ("Geschwader," anti-aircraft "Gruppe," etc.)	Regt ("Geschwader", AA "Gruppe", etc.)
Kompanie (Staffel, Batterie usw.)---	Company ("Staffel," battery, etc.)-	Coy ("Staffel", tp, etc.)

### EXAMPLES:

Old



Kommando der Luftflotte 1..... Hq of the 1st "Luftflotte"..... HQ 1st "Luftflotte"



Kommando der Fliegerdivision 2.... Hq of the 2d "Fliegerdivision".... HQ 2nd "Fliegerdivision"



Stab des Kampfgeschwaders 53..... Hq of the 53d bomber "Geschwader" HQ 53rd bomber "Geschwader"



1. Staffel des Kampfgeschwaders 53.. 1st "Staffel" of the 53d bomber "Geschwader" 1st "Staffel" 53rd bomber "Geschwader"

Roman numerals appearing to the *right* of the tactical symbols denote the numbers of the following units:

Generalkommando eines Fliegerkorps	Hq of a "Fliegerkorps" -----	HQ "Fliegerkorps"
Luftgaukommando	Hq of a "Luftgau" -----	HQ "Luftgau"
Brigade	Brigade -----	Bde
Abteilung (Gruppe, Flak-Untergruppe usw.)	Battalion ("Gruppe," antiaircraft "Untergruppe," etc.)	Bty ("Gruppe", AA "Untergruppe", etc.)

EXAMPLES:



Generalkommando des V. Fliegerkorps Hq of the 5th "Fliegerkorps" ----- HQ 5th "Fliegerkorps"



Kommando des Luftgaves III ----- Hq of the 3d "Luftgau" ----- HQ 3rd "Luftgau"



Stab des Flakartillerie-Kommandeurs im Luftgau VI Hq of the antiaircraft artillery commander of the 6th "Luftgau" HQ AA arty cmd 6th "Luftgau"



Stab der Flakbrigade II ----- Hq of the 2d antiaircraft brigade ----- HQ 2nd AA bde



I. Gruppe des Kampfgeschwaders 53 1st "Gruppe" of the 53d bomber "Geschwader" 1st "Gruppe" 53rd bomber "Geschwader"

---

Arabic numerals shown *below* the tactical symbols for aircraft or weapons indicate the number of such aircraft or weapons, respectively. **EXAMPLES:**

**Old**



**German**

Kampfstaffel zu 9 Flugzeugen -----

**U. S.**

Bomber "Staffel," consisting of 9  
aircraft

**British**

Bomber "Staffel", consisting of 9  
aircraft



Flakbatterie (2 cm) zu 12 Geschützen.








Antiaircraft battery (20-mm) with  
12 guns

AA bty (2-cm) with 12 guns

## Section V. New System of Basic Symbols and Composition of Tactical Symbols

An order issued in February 1943 by the Commander in Chief of the German Air Force simplified the Air Force basic symbols. These basic symbols as well as the tactical symbols derived from them are analyzed below.

### 1. BASIC SYMBOLS

New	German	U. S.	British
	Fernaufklärer.....	Long-range reconnaissance aircraft..	Long-range recce aircraft
	Nahaufklärer.....	Close-range reconnaissance air- craft	Close-range recce aircraft
	Kampf.....	Bomber.....	Bomber
	Schnellkampf.....	Fast bomber.....	Fast bomber
	Sturzkampf.....	Dive bomber.....	Dive bomber
	Jagd.....	Single-engine fighter.....	Single-engine fighter
	Zerstörer.....	Twin-engine fighter.....	Twin-engine fighter

New

German

U. S.

British



Schlacht..... Ground-attack fighter..... Ground-attack fighter



Nachtjagd..... Night fighter..... Night fighter



Transport..... Transport aircraft..... Tpt



Luftlande..... Troop-transport aircraft..... Tp tpt



Minensuch..... Mine-detector aircraft..... Mine detector



Seenot..... Air-sea rescue aircraft..... Air-sea rescue





Verbindungs..... Liaison aircraft..... Liaison




Bodeneinheit eines fliegenden Verbandes..... Ground unit of a flying formation..... Ground unit of flying formation





Seeflugzeug..... Seaplane..... Seaplane

Under the new system the same basic symbol  is employed to represent both headquarters and units of *Fliegertruppen* (flying personnel) of regimental status or lower. The unfilled flag symbol added to this basic symbol denotes headquarters, while the filled-in flag symbol indicates units of *Fliegertruppen*. The basic symbol without a flag represents a *Staffel*; the appropriate headquarters symbol  must be added to show the headquarters of a *Staffel*. EXAMPLES:

 Stab eines Kampfgeschwaders..... Hq of a bomber "Geschwader"--- HQ bomber "Geschwader"

 Jagdgruppe..... Single-engine fighter "Gruppe"--- Single-engine fighter "Gruppe"

 Stab einer Sturzkampfgruppe..... Hq of a dive-bomber "Gruppe"--- HQ dive-bomber "Gruppe"

 Schlachtstaffel..... Ground-attack fighter "Staffel"--- Ground-attack fighter "Staffel"









**2. SUPPLEMENTARY LETTERS.** The following supplementary letters are employed for the closer characterization of aircraft and are placed to the *right* of the basic symbols:

German		U. S.	British
Abbreviation	Meaning		
LT	Lufttorpedo	Aerial torpedo	Aerial torpedo
Stör	Stör	Intruder	Intruder
Bo	Bomben	Bomber	Bomber
Hö	Höhen	High altitude	High altitude
Rei	Reichweite	Effective range	Effective range
Pz	Panzerjäger	Tank destroyer	Tk destroyer
Trg	Träger	Carrier-based	Carrier-based
Eisb	Eisenbahn	Railway destruction	Rly destruction
Beh	Behelfs	Emergency, auxiliary	Emergency, auxiliary
Nacht	Nacht	Night	Night
Eins	Einsitzer	Single seater	Single seater
Hub	Hubschrauber	Helicopter	Helicopter
Dr	Drachen	Kite	Kite
W	Wetter	Meteorological	Met
San	Sanitäts	Medical	Medical
Schl	Schlepp	Towing	Towing
Seg	Segler	Glider	Glider
Gr	Grossraum	Large capacity	Large capacity
Stb	Stabs	Hq	HQ
Erg	Ergänzung	Reserve, replacement	Res, replacement
Erpr	Erprobung	Testing, experiment	Testing, experiment
Bd	Bord	Ship-based	Ship-based
Kdo	Kommando	Hq	HQ
Ku	Kurier	Special communications (courier)	Special comm
Qu	Quartiermeister	General Staff officer for supply and administration at corps Hq	Oftr for sup & adm at corps HQ

**EXAMPLES:**

New	German	U. S.	British
✕ Lt	Lufttorpedo-Staffel.....	Aerial-torpedo "Staffel".....	Aerial-torpedo "Staffel"
✕ Stör	Stör-Kampfstaffel.....	Intruder-bomber "Staffel".....	Intruder-bomber "Staffel"
✕ Bo	Jagdbomber-Staffel (Jabo. St.).....	Fighter-bomber "Staffel".....	Fighter-bomber "Staffel"
✕ Hö	Höhenjagdstaffel (Höh. J. St.).....	High-altitude fighter "Staffel".....	High-altitude fighter "Staffel"
✕ Rei	Schnellkampfstaffel mit Reichweitzusatz	Fast-bomber "Staffel" with increased effective range	Fast-bomber "Staffel" with increased effective range
✕ Pz	Panzerjägerstaffel (Pz. J. St.).....	Tank-destroyer "Staffel".....	Tk destroyer "Staffel"
✕ Trg	Träger-Sturzkampfstaffel.....	Carrier-based dive-bomber "Staffel".....	Carrier-based dive-bomber "Staffel"
✕ Eisd	Nachtjagdstaffel (Eisenbahn).....	Night-fighter "Staffel" (railway destruction)	Night-fighter "Staffel" (rly destruction)
✕ Beh	Behelfs-Nachtjagdstaffel.....	Emergency night-fighter "Staffel".....	Emergency night-fighter "Staffel"

New	German	U. S.	British
Nacht	Nachtfernaufklärungsstaffel.....	Long-range night reconnaissance "Staffel"	Long-range night recee "Staffel"
Eins	Nahaufklärungsstaffel (Einsitzer)...	Close-range reconnaissance "Staffel" (single seater)	Close-range recee "Staffel" (single seater)
Hub	Hubschrauber-Aufklärungsstaffel....	Helicopter reconnaissance "Staffel".	Helicopter recee "Staffel"
Dr	Drachen-Aufklärungsstaffel.....	Kite-balloon reconnaissance "Staf- fel"	Kite-balloon recee "Staffel"
W	Wettererkundungsstaffel.....	Meteorological observation "Staf- fel"	Met observation "Staffel"
San	Sanitätsflugbereitschaft.....	Airborne medical detachment.....	Flying medical det
Scht	Schleppstaffel.....	Towing "Staffel".....	Towing "Staffel"
Seg	Lastenseglerstaffel.....	Freight glider "Staffel".....	Freight-carrying glider "Staffel"
Gr	Grossraum-Transportstaffel.....	Large capacity transport "Staffel".	Large capacity tpt "Staffel"
Stb	Stabsstaffel eines Sturzkampfge- schwaders	Hq "Staffel" of a dive-bomber "Geschwader"	HQ "Staffel" of dive-bomber "Geschwader"

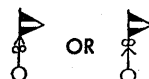
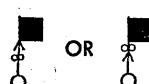

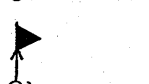
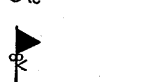
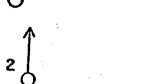
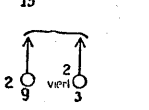
 Erg	Ergänzungs-Zerstörerstaffel.....	Reserve twin-engine fighter "Staffel"	Reserve twin-engine fighter "Staffel"
 Erpr	Erprobungsstaffel.....	Experimental "Staffel".....	Experimental "Staffel"
 Bd	Bordaufklärungsstaffel.....	Ship-based reconnaissance "Staffel"	Ship-based recce "Staffel"
 Kdo	Verbindungskommando.....	Liaison.....	Liaison
 Ku	Kurierstaffel.....	Special communication "Staffel"...	Special comn "Staffel"
 Qu	Flughafenbetriebskompanie des Gen. Qu. für einen Kampfverband	Airfield servicing company of the General Staff supply and admin- istration officer of a combat or- ganization	Airfd servicing coy of the sup and adm offr of a combat fmn

**3. SUPPLEMENTARY NUMERALS.** Supplementary numerals denoting the number of units (units and formations) or headquarters are, as heretofore, placed to the *right* of the tactical symbols. At the same time the former method of indicating the numbers of aircraft, weapons, or equipment by placing the appropriate numerals *below* the tactical symbols, remains in effect. **EXAMPLES:**

New	German	U. S.	British
	Zerstörergeschwader 5-----	5th twin-engine fighter "Geschwader"	5th twin-engine fighter "Geschwader"
	I. Gruppe Nachtjagdgeschwader 7--	1st "Gruppe," 7th night-fighter "Geschwader"	1st "Gruppe", 7th night-fighter "Geschwader"
	I. Staffel der Fernaufklärungsgruppe 130	1st "Staffel," 130th long-range reconnaissance "Gruppe"	1st "Staffel", 130th long-range reconnaissance "Gruppe"
	7 Flugzeuge der Verbindungsstaffel 10	7 planes of the 10th liaison "Staffel"	7 aircraft of 10th liaison "Staffel"

**4. ANTI-AIRCRAFT ARTILLERY.** The new basic symbol for Air Force anti-aircraft is identical with that of the new symbol for Army anti-aircraft. The caliber of weapons is indicated in a similar manner: that is, by placing numerals to the *left* of the symbols. The method of indicating the number of weapons in a unit by numerals *below* the basic weapon symbol remains in effect.

Searchlight units are classified as light (60 cm) and heavy (150 cm). The size of the searchlight is shown by the letters *l* (or *le*) or *s* (light or heavy), or by the numerals in centimeters to the *right* of the symbol. **EXAMPLES:**

	Stab einer Flak-Div. (mot)-----	Hq of a motorized anti-aircraft division	HQ AA div (mech)
	Stab einer Flak-Regts. (mot)-----	Hq of a motorized anti-aircraft regiment	HQ AA regt (mech)
	Stab einer schweren Flakabteilung---	Hq of a heavy anti-aircraft battalion	HQ HAA bty
	Stab einer leichten Flakabteilung----	Hq of a light anti-aircraft battalion	HQ LAA bty
	Stab einer Flak-Scheinwerfer- abteilung	Hq of a motorized anti-aircraft searchlight battalion	HQ AA-SL bty (mech)
	Flak-Battr. 2 cm mit 15 Geschützen.	20-mm anti-aircraft battery with 15 guns	2-cm AA tp with 15 guns
	Flak-Battr. 2 cm (mot) mit 9 Gesch. 2 cm u. 3 Gesch. 2 cm Vierling	Motorized 20-mm anti-aircraft battery with nine 20-mm guns and 3 four-barrelled 20-mm guns	2-cm AA tp with nine 2-cm guns and 3 four-barrelled 2-cm guns

New



German

Flak-Battr. 3,7 cm mit 9 Geschützen

U. S.

37-mm antiaircraft battery with 9 guns

British

3.7-cm AA tp with 9 guns



Flak-Battr. 8,8 cm mit 6 Geschützen

88-mm antiaircraft battery with 6 guns

8.8-cm AA tp with 6 guns



Flak-Battr. 8,8 cm auf Sockel

88-mm antiaircraft battery mounted on a stationary base

8.8-cm AA tp mtd on stationary base



Flak-Transport-Battr.

Antiaircraft transport battery

AA tpt tp

## 5. AIR FORCE GROUND COMBAT TROOPS AND THE HERMANN GÖRING DIVISION.

The German Air Force ground combat troops (*Luftwaffenfeldverbände*) and the Hermann Göring Division continue to use the tactical symbols of the Army. However, the letter *L* (*Luftwaffe*) in parentheses (brackets) is added to the unit numbers of the former, whereas the letters *HG* (*Hermann Göring*) (without parentheses) are added to the unit numbers of the latter.

# B. TACTICAL SYMBOLS FOR HIGHER HEADQUARTERS, COMBAT TROOPS, SERVICES, AND SERVICE INSTALLATIONS

## Section I. Higher Headquarters

Current	Old	German	U. S.	British
		Oberbefehlshaber der Luftwaffe	Commander in Chief of the Air Force	C-in-C GAF
		Luftflottenkommando	Hq of a "Luftflotte"	HQ "Luftflotte"
		Generalkommando eines Fliegerkorps	Hq of a "Fliegerkorps"	HQ "Fliegerkorps"
		Kommando der Luftverteidigungszone	Hq of an air defense zone	HQ air def zone
		Luftgaukommando	Hq of a "Luftgau"	HQ "Luftgau"
		Generalkommando eines Flakkorps	Hq of an antiaircraft corps	HQ AA corps



Current	Old	German	U. S.	British
		Stab einer Fliegerdivision.....	Hq of a "Fliegerdivision".....	HQ "Fliegerdivision"
		Stab einer Fallschirmjägerdivision..	Hq of a parachute infantry division..	HQ para div
		Stab einer Luftlande-Division.....	Hq of an air-landing division.....	HQ air ldg div
		Stab eines Höheren Flieger-Ausbildungs-kommandeurs	Hq of a senior flying-personnel training commander	HQ senior pilot trg comd
		Höherer Kommandeur der Flakartillerie-Schulen	Senior commander of the anti-aircraft schools	Senior comd AA arty schools
		Flakartillerie-Kommandeur eines Luftgaukommandos	Antiaircraft commander of a "Luftgau" Hq	AA arty comd "Luftgau" HQ
		Kommando eines Luftverteidigungsgebietes	Hq of an air defense territory.....	HQ air def zone
		Stab einer Fallschirmjägerbrigade....	Hq of a parachute infantry brigade..	HQ para bde
		Stab eines Kommandeurs der Luftwaffe bei einem Armeeoberkommando	Hq of an Air Force commander at Hq of an army	HQ GAF comd at HQ army



Stab eines Jagdfliegerführers bei einer Luftflotte      Hq of a commander of fighter aircraft at a "Luftflotte",      HQ comd fighter aircraft "Luftflotte"



Stab eines Flieger-Ausbildungskommandeurs      Hq of a flying-personnel training commander      HQ pilot trg comd



Stab einer Flakbrigade-----      Hq of an antiaircraft brigade-----      HQ AA bde



Stab eines Kommandeurs der Luftzeuggruppe      Hq of a commander of the Air Force equipment group      HQ comd GAF eqpt group


































Stab des Kommandeurs der Luftzeuggruppe (See)      Hq of the commander of the Air Force equipment group (sea)      HQ comd GAF eqpt group (sea)













## Section II. Combat Troops

### 1. FLYING TROOPS







#### a. Headquarters

Current	Old	German	U. S.	British
		Stab eines Aufklärungsgeschwaders.	Hq of a reconnaissance "Geschwader"	HQ recce "Geschwader"
		Stab eines Kampfgeschwaders.....	Hq of a bomber "Geschwader"....	HQ bomber "Geschwader"
		Stab eines Sturzkampfgeschwaders..	Hq of a dive-bomber "Geschwader"	HQ dive-bomber "Geschwader"
		Stab eines Jagdgeschwaders.....	Hq of a single - engine fighter "Geschwader"	HQ single-engine fighter "Geschwader"
		Stab eines Zerstörergeschwaders...	Hq of a twin-engine fighter "Geschwader"	HQ twin-engine fighter "Geschwader"
		Stab eines Schlachtgeschwaders....	Hq of a ground-attack "Geschwader"	HQ ground-attack "Geschwader"
		Stab einer gemischten Aufklärungs- gruppe	Hq of a mixed reconnaissance "Gruppe"	HQ mixed recce "Gruppe"

		Stab einer Aufklärungsgruppe (F) des Ob.d.H.	Hq of a long-range reconnaissance "Gruppe" of the Commander in Chief of the Army	HQ long-range reconnaissance "Gruppe" C-in-C Army
		Stab einer Aufklärungsgruppe (F) des Ob.d.L.	Hq of a long-range reconnaissance "Gruppe" of the Commander in Chief of the Air Force	HQ long-range reconnaissance "Gruppe" C-in-C GAF
		Stab einer Aufklärungsgruppe (H)	Hq of an Army reconnaissance "Gruppe"	HQ AC reconnaissance "Gruppe"
		Stab einer Kampfgruppe	Hq of a bomber "Gruppe"	HQ bomber "Gruppe"
		Stab einer Sturzkampfgruppe	Hq of a dive-bomber "Gruppe"	HQ dive-bomber "Gruppe"
		Stab einer Jagdgruppe	Hq of a single-engine fighter "Gruppe"	HQ single-engine fighter "Gruppe"
		Stab einer Zerstörergruppe	Hq of a twin-engine fighter "Gruppe"	HQ twin-engine fighter "Gruppe"
		Stab einer Schlachtgruppe	Hq of a ground-attack "Gruppe"	HQ ground-attack "Gruppe"
		Stab eines Träger-Geschwaders	Hq of a carrier-based "Geschwader"	HQ carrier-based "Geschwader"

Current	Old	German	U. S.	British
		Stab einer Bordfliegergruppe-----	Hq of a ship-based "Gruppe"-----	HQ ship-based "Gruppe"
		Stab einer Küstenfliegergruppe (M) mit Kampfflugzeugen (Ld)	Hq of a coastal aircraft "Gruppe" (Navy) with land-based bombers	HQ coastal aircraft "Gruppe" (Navy) with land-based bombers
		Stab einer Küstenfliegergruppe (F) mit Landflugzeugen	Hq of a coastal long-range reconnaissance "Gruppe" with land-based aircraft	HQ coastal aircraft long-range reconnaissance "Gruppe" with land-based aircraft
		Stab einer Küstenfliegergruppe mit Zerstörerflugzeugen	Hq of a coastal "Gruppe" with twin-engine fighter aircraft	HQ coastal aircraft "Gruppe" with twin-engine fighter aircraft
		Stab einer Küstenfliegergruppe (M) mit Kampfflugzeugen (See)	Hq of a coastal "Gruppe" (Navy) with bombers (sea)	HQ coastal aircraft "Gruppe" (Navy) with bombers (sea)
		Stab einer Küstenfliegergruppe (F) mit Seeflugzeugen	Hq of a coastal long-range reconnaissance "Gruppe" with seaplanes	HQ coastal aircraft long-range reconnaissance "Gruppe" with seaplanes

b. Units

		gemischte Aufklärungsgruppe-----	Mixed reconnaissance "Gruppe"---	Mixed reconnaissance "Gruppe"
		Aufklärungsgruppe (F)-----	Long-range reconnaissance "Gruppe"	Long-range reconnaissance "Gruppe"
		Aufklärungsgruppe (F) des Ob. d. H.	Long-range reconnaissance "Gruppe" of the Commander in Chief of the Army	Long-range reconnaissance "Gruppe" C-in-C Army

		Aufklärungsgruppe (H)-----	Army reconnaissance "Gruppe"-----	AC recce "Gruppe"
		Kampfgruppe-----	Bomber "Gruppe"-----	Bomber "Gruppe"
		Sturzkampfgruppe-----	Dive-bomber "Gruppe"-----	Dive-bomber "Gruppe"
		Jagdgruppe-----	Single-engine fighter "Gruppe"-----	Single-engine fighter "Gruppe"
		Zerstörergruppe-----	Twin-engine fighter "Gruppe"-----	Twin-engine fighter "Gruppe"
		Schlachtgruppe-----	Ground-attack "Gruppe"-----	Ground-attack "Gruppe"
		Aufklärungsstaffel (F)-----	Long-range reconnaissance "Staffel"-----	Long-range recce "Staffel"
		Aufklärungsstaffel (F) des Ob. d. H.-----	Long-range reconnaissance "Staffel" of the Commander in Chief of the Army-----	Long-range recce "Staffel" C-in-C Army
		Aufklärungsstaffel (H)-----	Army reconnaissance "Staffel"-----	AC recce "Staffel"
		Kampfstaffel-----	Bomber "Staffel"-----	Bomber "Staffel"

Current	Old	German	U. S.	British
		Sturzkampfstaffel.....	Dive-bomber "Staffel".....	Dive-bomber "Staffel"
		Jagdstaffel.....	Single-engine fighter "Staffel".....	Single-engine fighter "Staffel"
		Zerstörerstaffel.....	Twin-engine fighter "Staffel".....	Twin-engine fighter "Staffel"
		Schlachtstaffel.....	Ground-attack "Staffel".....	Ground-attack fighter "Staffel"
		Küstenfliegergruppe (M) mit Kampf- flugzeugen (Ld)	Coastal "Gruppe" (Navy) with land-based bombers	Coastal aircraft "Gruppe" (Navy) with land-based bombers
		Küstenfliegergruppe (F) mit Land- flugzeugen	Coastal long-range reconnaissance "Gruppe" with land-based air- craft	Coastal long-range reconce "Gruppe" with land-based aircraft
		Küstenfliegergruppe mit Zerstörer- flugzeugen	Coastal "Gruppe" with twin-engine fighter aircraft	Coastal aircraft "Gruppe" with twin-engine fighter aircraft
		Küstenfliegergruppe (M) mit Kampf- flugzeugen (See)	Coastal "Gruppe" (Navy) with bombers (sea)	Coastal aircraft "Gruppe" (Navy) with bombers (sea)
		Küstenfliegergruppe (F) mit Seeflug- zeugen	Coastal long-range reconnaissance "Gruppe" with seaplanes	Coastal long-range reconce "Gruppe" with seaplanes



Trägergruppe..... Carrier-based "Gruppe"..... Carrier-based "Gruppe"



Bordfliegergruppe..... Ship-based "Gruppe"..... Ship-based "Gruppe"



Küstenfliegerstaffel (M) mit Kampf- Coastal "Staffel" (Navy) with land- Coastal aircraft "Staffel" (Navy)  
flugzeugen (Ld) based bombers with land-based bombers



Küstenfliegerstaffel (F) mit Land- Coastal long-range reconnaissance Coastal long-range recce "Staffel"  
flugzeugen "Staffel" with land-based air- with land-based aircraft  
craft



Küstenfliegerstaffel mit Zerstörer- Coastal "Staffel" with twin-engine Coastal aircraft "Staffel" with twin-  
flugzeugen fighter aircraft engine fighter aircraft



Küstenfliegerstaffel (M) mit Kampf- Coastal aircraft "Staffel" (Navy) Coastal aircraft "Staffel" (Navy)  
flugzeugen (See) with bombers (sea) with bombers (sea)



Küstenfliegerstaffel (F) mit Seeflug- Coastal long-range reconnaissance Coastal long-range recce "Staffel"  
zeugen "Staffel" with seaplanes with seaplanes



Träger-Mehrzweckstaffel..... Carrier-based multipurpose "Staf- Carrier-based multi-purpose "Staf-  
fel" fel"









Träger-Sturzkampfstaffel..... Carrier-based dive-bomber "Staf- Carrier-based dive-bomber "Staf-  
fel" fel"















Träger-Jagdstaffel..... Carrier-based single-engine fighter Carrier-based single-engine fighter  
"Staffel" "Staffel"



Current	Old	German	U. S.	British
		Bordfliegerstaffel.....	Ship-based "Staffel".....	Ship-based "Staffel"
		Kurierstaffel.....	Special communications "Staffel"...	Special comn "Staffel"
		Luftdienstverband.....	Air service unit for target towing..	Air service unit for target-towing flights

### c. Ground Services

		Flughafenbetriebskompanie einer Kampf- oder Zerstörergruppe	Airfield servicing company of a bomber or twin-engine fighter "Gruppe"	Airfd servicing coy of bomber or twin-engine fighter "Gruppe"
		Stab eines Luftwaffen-Bauregiments..	Hq of an Air Force construction regiment	HQ GAF constr regt
		Stab eines Luftwaffen-Baubataillons..	Hq of an Air Force construction battalion	HQ GAF constr bn
		Luftwaffen-Baubataillon.....	Air Force construction battalion...	GAF constr bn
		Luftwaffen-Baukompanie.....	Air Force construction company...	GAF constr coy
		Luftwaffen-Baugerätezug.....	Air Force construction equipment platoon	GAF constr eqpt pl



Leithorst..... Controlling air base..... Controlling air base



Fliegerhorst..... Air base..... Air base



E.-Hafen I. Ordnung..... Operational airfield, 1st class..... Operational airfd 1st class



E.-Hafen II. Ordnung..... Operational airfield, 2d class..... Operational airfd 2nd class



Feldflugplatz..... Emergency landing ground..... Satellite ldg ground



vorbereiteter Feldflugplatz..... Prepared emergency landing ground Prepared satellite ldg ground



Scheinflughafen..... Dummy airfield..... Dummy airfd









Gefechtslandeplatz..... Advanced landing ground..... ALG









Ausweichplatz..... Alternate airfield..... Alternative airfd























vorgeschobener Landeplatz..... Advanced landing ground..... ALG

Current	Old	German	U. S.	British
		Saisonrollfeld.....	Seasonal landing ground.....	Seasonal ldg ground
		Fliegerhorst Land und See.....	Air base for land and sea aircraft..	Air base for land and sea aircraft
		Fliegerhorst See.....	Seaplane base.....	Seaplane base
		E.-Hafen See I. Ordnung.....	Operational airfield (sea), 1st class..	Operational airfd (sea) 1st class
		E.-Hafen See II. Ordnung.....	Operational airfield (sea), 2d class..	Operational airfd (sea) 2nd class
		ziviler Flughafen.....	Civilian airfield.....	Civilian airfd






#### d. Training Establishments and Schools

		Stab eines Flieger-Ausbildungsregiments	Hq of a flying-personnel training regiment	HQ pilot trg regt
		Stab einer Flieger-Ausbildungsteilung	Hq of a flying-personnel training battalion	HQ pilot trg unit
		Stab eines Flieger-Ergänzungsbattallions	Hq of a flying-personnel replacement battalion	HQ pilot-replacement bn

		Flugzeugführerschule A/B.....	Elementary (A/B) school for pilots..	Elementary (A/B) school for pilots
		Flugzeugführerschule C.....	Advanced (C) school for pilots....	Advanced (C) school for pilots
		Blindflugschule.....	School for blind flying.....	School for blind flying
		Gr. Kampffliegerschule.....	General school for bomber pilots..	General school for bomber pilots
		Flieger-Waffenschule (See).....	Weapons school for flying per- sonnel (sea)	School for aircraft armament (sea)
		Sturzkampffliegerschule.....	School for dive-bomber pilots.....	School for dive-bomber pilots
		Jagdfliegerschule.....	School for single-engine fighter pilots	School for single-engine fighter pilots
		Aufklärungsfiegerschule.....	School for reconnaissance pilots...	School for recee pilots
	•	Bildschule.....	School for photography.....	School for ph
		Navigationsschule.....	School for navigation.....	School for navigation

Current	Old	German	U. S.	British
		Fliegertechnische Schule.....	Technical school for flying personnel	Tech school for pilots
		Luftkriegsakademie.....	Air Force academy.....	Aerial warfare college
		Höhere Luftwaffenschule.....	Advanced Air Force school.....	Advanced GAF school
		Luftkriegsschule.....	Air Force school.....	Aerial warfare school

### e. Meteorological Services

		Wetterbezirkszentrale.....	Meteorological district center.....	Met dist centre
		Wetterbezirkszentrale mit fester Radiosondestation	Meteorological district center with fixed radio meteorograph <sup>1</sup> station	Met dist centre with fixed "Radiosonde" sta
		Wetterwarte.....	Weather station.....	Weather sta
		Fliegerkorps-Wetterwarte.....	Weather station of a "Fliegerkorps"	Weather sta at "Fliegerkorps"
		Wetterberatungszentrale A <sup>m</sup> oder B..	Meteorological information center A or B	Met reporting centre A or B



Wetterberatungszentrale A oder B mit Wetterflugstelle Meteorological information center A or B with weather reporting station Met reporting centre A or B with weather flight sta



Wetterberatungszentrale A oder B mit fester Radiosondestation Meteorological information center A or B with fixed radio meteorograph<sup>1</sup> station Met reporting centre A or B with fixed "Radiosonde" sta



Wetterberatungszentrale A oder B mit fester Radiosondestation und Wetterflugstelle Meteorological information center A or B with fixed radio meteorograph<sup>1</sup> station and weather reporting station Met reporting centre A or B with fixed "Radiosonde" sta and weather flight sta



Radiosondestation (mot)----- Motorized radio meteorograph<sup>1</sup> station "Radiosonde" sta (mech)



Wetterberatungszentrale (mot) (auch Heeresgruppen - Wetterwarte) Motorized meteorological information center (also weather station of an army group) Met reporting centre (mech) (also weather sta at army gp)



Wetterberatungsstelle----- Meteorological information station Met reporting sta



Wetternebenstelle----- Meteorological substation----- Met sub-sta



Wetterhilfsnebenstelle----- Auxiliary meteorological substation Auxiliary met sub-sta



Wettererkundungsstaffel----- Meteorological observation "Staffel" Met observation "Staffel"

<sup>1</sup> Weather-forecasting equipment carried aloft in an unmanned balloon.

## 2. ANTI-AIRCRAFT

### a. Headquarters

Current	Old	German	U. S.	British
		Stab eines Flakregiments.....	Hq of an antiaircraft regiment....	HQ AA regiment
		Stab eines Festungsflakregiments....	Hq of a fortress antiaircraft regiment	HQ fortress AA regiment
		Stab einer Flakabteilung.....	Hq of an antiaircraft battalion....	HQ AA bty
		Stab einer Festungsflakabteilung....	Hq of a fortress antiaircraft battalion	HQ fortress AA bty
		Stab einer leichten Flakabteilung...	Hq of a light antiaircraft battalion..	HQ LAA bty
		Stab einer Flak-Scheinwerferabteilung	Hq of an antiaircraft searchlight battalion	HQ AA SL bty
		Stab einer Luftsperrabteilung.....	Hq of a barrage balloon battalion..	HQ balloon barrage bty
		Stab einer Flaktransportabteilung...	Hq of an antiaircraft transport battalion	HQ AA tpt bty



Stab einer Reserve-Eisenbahn-Flak-  
abteilung

Hq of a "Reserve" railway anti-  
aircraft battalion

HQ "Reserve" rly AA bty

b. Units



Flakregiment..... Antiaircraft regiment..... AA regt



Festungsflakregiment..... Fortress antiaircraft regiment..... Fortress AA regt



Flakabteilung..... Antiaircraft battalion..... AA bty



Festungsflakabteilung..... Fortress antiaircraft battalion..... Fortress AA bty



leichte Flakabteilung..... Light antiaircraft battalion..... LAA bty



Flakscheinwerferabteilung..... Antiaircraft searchlight battalion.. AA SL bty




















Luftsperrabteilung..... Barrage balloon battalion..... Balloon barrage bty



Flaktransportabteilung..... Antiaircraft transport battalion... AA tpt bty



Current	Old	German	U. S.	British
		Reserve-Eisenbahn-Flakabteilung	"Reserve" railway anti-aircraft bat- talion	"Reserve" rly AA bty
		Flakbatterie (2 cm)	20-mm anti-aircraft battery	2-cm AA tp
		Flakbatterie (3,7 cm)	37-mm anti-aircraft battery	3.7-cm AA tp
		Flakbatterie (8,8 cm)	88-mm anti-aircraft battery	8.8-cm AA tp
		Flakbatterie (10,5 cm)	105-mm anti-aircraft battery	10.5-cm AA tp
		Flakscheinwerfer-Batterie (150 cm)	150-cm anti-aircraft searchlight battery	150-cm AA SL tp
		Flakscheinwerferzug (60 cm)	60-cm anti-aircraft searchlight pla- toon	60-cm AA SL pl
		Luftsperrbatterie	Barrage balloon battery	Balloon barrage tp
		Reserve-Eisenbahn-Flakbatterie (8,8 cm)	88-mm "Reserve" railway anti-air- craft battery	8.8-cm "Reserve" rly AA tp



Führer einer Flak-Maschinengewehrreservekompanie

Hq (or commander) of a "Reserve" anti-aircraft machine-gun company

HQ (or comd) "Reserve" AA MG coy



Flak-Maschinengewehrreservezug

"Reserve" anti-aircraft machine-gun platoon

"Reserve" AA MG pl

### c. Transport Batteries (Troops) and Columns



leichte Flaktransportbatterie

Anti-aircraft light transport battery

Lt AA tpt tp



Flaktransportbatterie A

Anti-aircraft transport battery A

AA tpt tp A



Flakscheinwerfertransportbatterie

Anti-aircraft searchlight transport battery

AA SL tpt tp



Flakkolonne (20 t)

Anti-aircraft transport column (20 tons)

AA coln (20 tons)



Flakkolonne (42 t)

Anti-aircraft transport column (42 tons)

AA coln (42 tons)

### d. Replacement Units and Schools



Stab einer Flakersatzabteilung

Hq of an anti-aircraft replacement battalion







HQ depot AA bty






Flakartillerieschule I (schwere Flak)

Anti-aircraft artillery school I (heavy anti-aircraft artillery)

AA arty school I (HAA arty)




Current	German	U. S.	British
	Flakartillerieschule II (leichte Flak)	Antiaircraft artillery school II (light antiaircraft artillery)	AA arty school II (LAA arty)
	Flakartillerieschule III (elektrische Ortung)	Antiaircraft artillery school III (electric range-finding)	AA arty school III (electric range-finding)
	Flakartillerieschule IV (optische Ortung und Flugzeugerkenndienst)	Antiaircraft artillery school IV (visual range-finding and aircraft identification service)	AA arty school IV (visual range-finding and aircraft recognition service)
	Flakartillerieschule V (Flakscheinwerfer)	Antiaircraft artillery school V (searchlight)	AA arty school V (SL)
	Feuerwerkerschule.....	School for artificers.....	School for artificers
	Waffenmeisterschule.....	School for armorers.....	School for armourers

### e. Miscellaneous

	Nachrichtenzug der Flakartillerie....	Antiaircraft artillery signal platoon.	Sig pl AA arty
	Batteriebefehlsstelle.....	Battery command post.....	Tp comd post
	Zugbefehlsstelle.....	Platoon command post.....	Sec comd post

### 3. AIR FORCE SIGNAL TROOPS

#### a. Headquarters

	Stab eines Luftnachrichtenregiments	Hq of an Air Force signal regiment.	HQ GAF sigs regt
	Stab eines Luftgau-Nachrichtenregiments	Hq of a "Luftgau" signal regiment.	HQ "Luftgau" sigs regt
	Stab einer Luftnachrichtenabteilung	Hq of an Air Force signal battalion.	HQ GAF sigs unit
	Stab einer Luftnachrichten-Betriebsabteilung	Hq of an Air Force signal operating battalion	HQ GAF sigs op unit
	Stab einer Luftnachrichten-Bauabteilung	Hq of an Air Force signal construction battalion	HQ GAF sigs constr unit
	Stab einer Luftnachrichten-Funkhorchabteilung	Hq of an Air Force signal interception battalion	HQ GAF sigs intercept unit
	Stab einer Luftnachrichten-Flugsicherungsabteilung	Hq of an Air Force signal flight control battalion	HQ GAF sigs air safety control unit
	Stab einer Luftnachrichten-Fliegerabteilung	Hq of an Air Force signal battalion (flying)	HQ GAF sigs flying unit

**Current**



**German**

Stab einer Luftgau-Nachrichten-  
Betriebsabteilung

**U. S.**

Hq of a "Luftgau" signal operat-  
ing battalion

**British**

HQ "Luftgau" sigs op unit



Stab einer Luftgau-Nachrichten-  
Bauabteilung

Hq of a "Luftgau" signal construc-  
tion battalion

HQ "Luftgau" sigs constr unit



Stab einer Flugmeldeabteilung...

Hq of an aircraft reporting battal-  
ion

HQ aircraft reporting unit



Stab einer Luftverteidigungs-Nach-  
richtenabteilung

Hq of an air defense signal battal-  
ion

HQ air def sigs unit



Stab einer Luftnachrichtenabtei-  
lung (H)

Hq of an Air Force signal battalion  
(attached to the Army)

HQ GAF sigs unit (AC)



Stab einer Luftnachrichtenlehrab-  
teilung

Hq of an Air Force signal experi-  
mental battalion

HQ GAF sigs experimental unit

**b. Units**



Luftnachrichtenregiment..... Air Force signal regiment..... GAF sigs regt



Luftgaunachrichtenregiment..... "Luftgau" signal regiment..... "Luftgau" sigs regt



Luftnachrichtenabteilung-----	Air Force signal battalion-----	GAF sigs unit
Luftnachrichtenbetriebsabteilung---	Air Force signal operating bat- talion .	GAF sigs op unit
Luftnachrichten-Fernsprechbau- abteilung	Air Force signal telephone con- struction battalion	GAF sigs phone constr unit
Luftnachrichten-Funkhorchabtei- lung	Air Force signal interception bat- talion	GAF sigs intercept unit
Luftnachrichten-Flugsicherungs- abteilung	Air Force signal flight control bat- talion	GAF sigs air safety control unit
Luftnachrichten-Fliegerabteilung----	Air Force signal battalion (flying)--	GAF sigs flying unit
Luftgau-Nachrichtenbetriebsabtei- lung	"Luftgau" signal operating bat- talion	"Luftgau" sigs op unit
Luftgau-Nachrichten-Fernsprech- bauabteilung	"Luftgau" signal telephone con- struction battalion	"Luftgau" sigs phone constr unit
Flugmeldeabteilung-----	Aircraft reporting battalion-----	Aircraft reporting unit

Current



German

Luftverteidigungs-Nachrichtenabteilung

U. S.

Air defense signal battalion-----

British

Air def sigs unit



Luftnachrichtenabteilung (H)-----

Air Force signal battalion (attached to the Army)

GAF sigs unit (AC)



Luftnachrichtenlehrabteilung-----

Air Force signal experimental battalion

GAF sigs experimental unit



Luftnachrichtenkompanie-----

Air Force signal company-----

GAF sigs coy



Fernsprech- und Fernschreibbetriebskompanie

Telephone and teletype operating company

Phone and teleprinter op coy



Stabsnachrichtenkompanie-----

Signal company of a Hq-----

Sigs HQ coy



Fernsprechkompanie-----

Telephone company-----

Phone coy



Luftnachrichtenbetriebskompanie---

Air Force signal operating company

GAF sigs op coy



Fernsprechbaukompanie-----

Telephone construction company--

Phone constr coy



Telegrafenbaukompanie..... Telegraph construction company -- Tele constr coy



Funkkompanie..... Radio company..... WT coy



Funkhorchkompanie..... Radio interception company..... WT intercept coy



Flugsicherungskompanie..... Flight control company..... Air safety control coy



Flugmeldekompanie..... Aircraft reporting company..... Aircraft reporting coy



Leithorst-Nachrichtenkompanie..... Signal company of a controlling air base  
Sigs coy of a controlling air base



Luftnachrichtenstelle eines Einsatzhafens Air Force signal station of an operational airfield  
GAF sigs sta of an op airfd



Fliegerkompanie..... Flying-personnel company..... Flying coy



Fernsprechvermittlungstrupp..... Telephone-exchange detachment... Phone exchange det












**Current**

**German**

**U. S.**

**British**

2384 	Fernsprechanchlussstrupp-----	Telephone linking detachment-----	Phone linking det
2385 	Verstärkertrupp-----	Amplifier detachment-----	Amplifier det
	Abstecktrupp-----	Marking-out detachment-----	Marking-out det
	Telegrafbaustrupp-----	Telegraph construction detachment	Tele constr det
	schwerer Fernsprechbaustrupp-----	Heavy telephone construction detachment	Hy phone constr det
	leichter Fernsprechbaustrupp-----	Light telephone construction detachment	Lt phone constr det
	Fernschreibvermittlungstrupp-----	Teletype exchange detachment-----	Teleprinter exchange det
	Fernschreib-W. T.-Trupp-----	Alternating-current teletype detachment	AC teleprinter det
	Fernschreibanschlussstrupp-----	Teletype linking detachments-----	Teleprinter linking det



schwerer Funkfeuertrupp----- Heavy radio-beacon detachment... Hy WT beacon det



leichter Funkfeuertrupp----- Light radio-beacon detachment.... Lt WT beacon det



schwerer Funktrupp (Langwelle)---- Heavy radio detachment (long Hy WT det (long wave)  
wave)



leichter Funktrupp (Langwelle)---- Light radio detachment (long Lt WT det (long wave)  
wave)



leichter Funktrupp (Kurzwellen und Light radio detachment (short and Lt WT det (short and long wave)  
Langwelle) long wave)



Landfunkfeuertrupp (Ultraschur- Landing radio-beacon detachment Ldg WT beacon det (ultra-short  
welle) (ultra-short wave) wave)



Flugsicherungstrupp----- Flight control detachment..... Air safety control det



Richtverbindungstrupp----- Directional beam signal transmis- Directional beam sigs transmission  
sion detachment det



schwerer Leuchtfeuertrupp----- Heavy visual beacon detachment.. Hy visual beacon det



Funkempfangstrupp----- Radio reception detachment..... WT reception det

**Current****German****U. S.****British**

Horch-Funkempfangstrupp..... Radio interception detachment..... WT intercept det

Horch-Funkpeiltrupp..... Radio bearing interception detach-  
ment..... WT bearing intercept detNavigations-Funkpeiltrupp..... Navigation radio-beam detach-  
ment..... Navigational WT beam det

Tornisterfunktrupp..... Portable radio detachment..... Pack WT det

**c. Ground Installations**

Chiffrierstelle..... Cryptographic station..... Encoding and decoding sec

Luftnachrichten-Horch-Leitstelle.... Air Force signal interception con-  
trol station..... GAF sigs intercept control staLuftnachrichten-Horch-Betriebsstelle. Air Force signal interception oper-  
ating station..... GAF sigs intercept op sta

Funksendezentrale..... Radio transmitting center..... WT transmitting centre



Funksendestelle..... Radio transmitting station..... WT transmitting sta



Flugsicherungshauptstelle----- Main flight-control station----- Main air safety control sta



Flugsicherungsnebenstelle----- Branch flight-control station----- Branch air safety control sta



Funkbetriebsstelle----- Radio operating station----- WT op sta



Fernsprech- und Fernschreibstelle... Telephone and teletype station.... Phone and teleprint sta



Luftvermittlung oder Luftendvermittlung Air signal exchange or terminal exchange Air sigs exchange or terminal exchange



Luftverteilervermittlung----- Air signal central exchange----- Air sigs central exchange



Luftdurchgangsvermittlung----- Air signal relay exchange----- Air sigs relay exchange










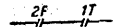
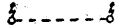
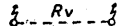
grosse Luftmeldesammelstelle----- Large air signal message center.... Large air sigs report collecting sta













kleine Luftmeldesammelstelle----- Small air signal message center.... Small air sigs report collecting sta



Luftnachrichten-Flugmeldezentrale... Air Force signal aircraft reporting center GAF sigs aircraft reporting centre







Current	German	U. S.	British
	Flugmeldetrupp-----	Aircraft reporting detachment-----	Aircraft reporting sta
	Flugwachkommando-----	Aircraft guard detachment-----	Observer corps det
	Flugwache-----	Aircraft guard-----	Observer corps post
	Feldkabeleinfachleitung-----	Field cable single-wire circuit-----	Fd cable single-line circuit
	Feldkabeldoppelleitung-----	Field cable two-wire circuit-----	Fd cable two-wire circuit
	Felddauerlinie (2 Doppelleitungen)--	Permanent field line (2 two-wire circuits)	Permanent fd line (2 two-wire circuits)
	Feldfernkabel (2 Doppelleitungen)--	Field trunk cable (2 two-wire cir- cuits)	Fd trunk cable (2 two-wire cir- cuits)
	Feldfernkabel mit 2 Fernsprech- u. 1 Fernschreibleitung	Field trunk cable with 2 telephone lines and 1 teletype line	Fd trunk cable with 2 phone and 1 teleprint line
	Funklinie-----	Radio communication-----	WT comn
	Richtverbindungsline (Dezimeter- verbindung)	Directional beam signal line (deci- meter wave link)	Directional beam sigs line (deci- metre wave link)

#### d. Miscellaneous


	Luftnachrichtenschule.....	Air Force signal school.....	GAF sigs school
	Luftnachrichtengerätekolonne.....	Air Force signal equipment column.....	GAF sigs eqpt coln
	Funkstelle der Luftwaffe.....	Air Force radio station.....	GAF WT sta
	Funkstelle des Heeres.....	Army radio station.....	Army WT sta
	Zivildfunkstelle.....	Civilian radio station.....	Civilian WT sta
	Peilanlage.....	Direction finding station.....	Direction finding sta
	Rundfunksender.....	Radio broadcasting station.....	Broadcasting sta
	Hauptfernsprechamt.....	Main telephone office.....	Main phone office
	empfindlicher Punkt des Fernka- belnetzes	Sensitive point of the trunk cable net	Sensitive point of the trunk cable net
	Fernkabelschaltstelle.....	Trunk cable switching station.....	Trunk cable switching sta


## 4. PARACHUTE AND AIR-LANDING (INCLUDING ASSAULT) TROOPS


### a. Basic Symbols


Current	German	U. S.	British
	Stäbe der Fallschirmtruppen.....	Hq of parachute units.....	HQ para units
	Fallschirmtruppen.....	Parachute units.....	Para units
	Stäbe der Luftlandetruppen.....	Hq of air-landing units.....	HQ air ldg units
	Luftlandetruppen.....	Air-landing units.....	Air ldg units
	Stäbe der Luftlande-Sturmtruppen..	Hq of air-landing assault units....	HQ air ldg assault units
	Luftlande-Sturmtruppen.....	Air-landing assault units.....	Air ldg assault units


Examples of tactical symbols composed from the above basic symbols are as follows:


 Stab eines Fsch. Jäger-Regiments... Hq of a parachute infantry regi- HQ para regt  
ment

 Fallschirmjägerkompanie..... Parachute infantry company..... Para coy


 Stab eines Luftlande-Bataillons..... Hq of an air-landing battalion.... HQ air ldg bn


 Luftlande-Nachschubkompanie..... Air-landing supply company..... Air ldg sup coy


 Stab eines Luftlande-Sturm-Btl. .... Hq of an air-landing assault bat- HQ air ldg assault bn  
talion

 Panzerjägerkompanie eines L. L.- Antitank company of an air-land- A tk coy air ldg assault regt  
Sturm-Regiments ing assault regiment

#### b. Headquarters and Units

 Stab einer Fsch. Jäger-Division..... Hq of a parachute infantry divi- HQ para divi  
sion

 Stab einer L.L.-Division..... Hq of an air-landing division..... HQ air ldg div

 Luftlande-Regiment..... Air-landing regiment..... Air ldg regt



**Current****German**

Stab eines L.L.-Regiments.....

Stab eines Luftlande-Bataillons.....

Luftlande-Bataillon.....

Luftlande-Schützenkompanie.....

Stab eines Fsch. J. Rgt. ....

Fallschirmjäger-Regiment.....

Fallschirmjäger-Btl. ....

Stab eines Fsch. Pionierbataillons....

Fallschirmpionierkompanie.....

**U. S.**

Hq of an air-landing regiment.....

Hq of an air-landing battalion.....

Air-landing battalion.....

Air-landing rifle company.....

Hq of a parachute infantry regi-  
ment

Parachute infantry regiment.....

Parachute infantry battalion.....

Hq of a parachute engineer bat-  
talion

Parachute engineer company.....

**British**

HQ air ldg regt

HQ air ldg bn

Air ldg bn

Air ldg rifle coy

HQ para regt

Para regt

Para bn

HQ para engr bn

Para engr coy



1. Fallschirm pionierkolonne----- Parachute engineer light transport Lt para engr coln  
column



Führer einer Fsch. Pionier-Kp. ----- Hq (or commander) of a parachute HQ (or comd) para engr coy  
engineer company



Fsch. Zerstörer-Kompanie----- Parachute demolition company---- Para demolition coy



Fallschirm pionierzug----- Parachute engineer platoon----- Para engr pl



Fsch. Pionier-Nachrichtenzug----- Parachute engineer signal platoon \_ Para engr sig pl



Fsch. Jäger-Panzerjäger-Kp. ----- Parachute infantry antitank com- Para A tk coy  
pany















Fsch. Jäger-Transport-Kompanie--- Parachute infantry transport com- Para tpt coy  
pany



Fsch. Jäger-Nachrichten-Kp. ----- Parachute infantry signal company\_ Para sigs coy



Fsch. Jäger-Sanitäts-Kp. ----- Parachute infantry medical com- Para medical coy  
pany

Current	Old	German	U. S.	British
		Fsch. Jäger-Nachrichtenzug bei Stäben	Parachute infantry signal platoon at Hq	Para sig pl at HQ
		Fsch. Kradmeldezug-----	Parachute motorcycle messenger platoon	Para MC DR pl
		Fsch. Jäger-Geschützkompagnie (Geb. I.G. 18)	Parachute infantry howitzer company (mountain infantry howitzer 18)	Para inf gun coy (mtn inf gun 18)
		Stab eines Fsch. J.-Maschinengewehr-bataillons	Hq of a parachute infantry machine-gun battalion	HQ para MG bn
		Fsch. Jäger-M.G.-Kompanie-----	Parachute infantry machine-gun company	Para MG coy
		Stab eines Luftlande-Sturmregiments	Hq of an air-landing assault regiment	HQ air ldg assault regt
		Luftlande-Sturmregiment-----	Air-landing assault regiment-----	Air ldg assault regt
		Luftlande-Sturm-bataillon-----	Air-landing assault battalion-----	Air ldg assault bn
		Luftlande-Sturmkompanie-----	Air-landing assault company-----	Air ldg assault coy



Luftlande-Pionier-Sturmabteilung... Air-landing engineer assault bat-  
talion Air ldg engr assault bn



Luftlande-Pionier-Sturmkompanie... Air-landing engineer assault com-  
pany Air ldg engr assault coy



M. G. Kp. eines L. L.-Pionier-Sturm-  
bataillons Machine-gun company of an air-  
landing engineer assault bat-  
talion MG coy air ldg engr assault bn



Geschütz (13.) Kp. eines Luftlande-  
Sturmregiments Infantry howitzer (13th) company  
of an air-landing assault regi-  
ment Inf gun (13th) coy air ldg assault  
regt



Luftlande-M.G.-Kompanie... Air-landing machine-gun company... Air ldg MG coy



Luftlande-Geschütz-Kompanie... Air-landing infantry howitzer com-  
pany Air ldg inf gun coy



L. L.-Panzerjägerkompanie... Air-landing antitank company... Air ldg A tk coy



L. L.-Pionierkompanie... Air-landing engineer company... Air ldg engr coy



L. L.-Nachschubkompanie... Air-landing supply company... Air ldg sup coy

Current	Old	German	U. S.	British
		L. L.-Nachrichtenkompanie	Air-landing signal company	Air ldg sigs coy
		L. L.-Sanitätskompanie	Air-landing medical company	Air ldg medical coy
		L. L.-Nachrichtenzug bei Stäben	Air-landing signal platoon at Hq	Air ldg sig pl at HQ
		L. L.-Infanteriereiterzug	Air-landing infantry mounted platoon	Air ldg mtd inf pl
		leichte L. L.-Infanteriekolonne	Air-landing infantry light transport column	Lt air ldg inf coln
		Stab eines Kampfgeschwaders z. b. V. (nur f. L. L. Einsatz)	Hq of a special bomber "Geschwader" (for air-landing operations only)	HQ bomber "Geschwader" for special employment (for air ldg op only)
		Stab einer Kampfgruppe z. b. V. (nur f. L. L. Einsatz)	Hq of a special bomber "Gruppe" (for air-landing operations only)	HQ bomber "Gruppe" for special employment (for air ldg op only)
		Kampfstaffel z. b. V. (nur f. L. L. Einsatz)	Special bomber "Staffel" (for air-landing operations only)	Bomber "Staffel" for special employment (for air ldg op only)
		Stab eines Kampfgeschwaders z. b. V. (f. Fsch. u. L. L. Einsatz)	Hq of special bomber "Geschwader" (for parachute and air-landing operations)	HQ bomber "Geschwader" for special employment (for para and air ldg op)



Stab einer Kampfgruppe z.b.V.  
(f. Fsch. u.L.L. Einsatz)

Hq of a special bomber "Gruppe"  
(for parachute and air-landing  
operations)

HQ bomber "Gruppe" for special  
employment (for para and air  
ldg op)



Kampfstaffel z.b.V. (f. Fsch. u. L. L.  
Einsatz)

Special bomber "Staffel" (for para-  
chute and air-landing opera-  
tions)

Bomber "Staffel" for special em-  
ployment (for para and air ldg  
op)



Panzerjäger (14.) Kp. eines Luft-  
lande-Sturmregiments

Antitank (14th) company of an  
air-landing assault regiment

A tk (14th) coy air ldg assault regt



Stab eines L. L.-Geschwaders

Hq of an air-landing "Ge-  
schwader"

HQ air ldg "Geschwader"



Stab einer L. L.-Gruppe

Hq of an air-landing "Gruppe"

HQ air ldg "Gruppe"



Luftlande-Staffel (Motorflugzeuge)

Air-landing "Staffel" (powered  
aircraft)

Air ldg "Staffel" (powered air-  
craft)



Luftlande-Staffel (Segelflugzeuge)

Air-landing "Staffel" (gliders)

Air ldg "Staffel" (gliders)



Leichtgeschütz 1 (7,5 cm)

Recoilless gun 1 (75-mm)











7.5-cm recoilless gun 1



Leichtgeschütz 2 (10,5 cm)

Recoilless gun 2 (105-mm)

10.5-cm recoilless gun 2

Current	Old	German	U. S.	British
		Leichtgeschütz 3 (15 cm)-----	Recoilless gun 3 (150-mm)-----	15-cm recoilless gun 3
		leichter Lastensegler-----	Light freight glider-----	Lt freight-carrying glider
		mittlerer Lastensegler-----	Medium freight glider-----	Med freight-carrying glider
		schwerer Lastensegler-----	Heavy freight glider-----	Hy freight-carrying glider
		Fsch. Artillerie-Regiment mit L. G. 1_	Parachute artillery regiment with recoilless gun 1	Para arty regt with recoilless gun 1
		Fsch. Artillerie-Abteilung mit L. G. 2	Parachute artillery battalion with recoilless gun 2	Para arty bty with recoilless gun 2
		Fsch. Artillerie-Batterie mit L. G. 3_	Parachute artillery battery with recoilless gun 3	Para arty tp with recoilless gun 3
		Fallschirm-Artillerieskolonne-----	Parachute artillery transport col- umn	Para arty coln
		eichte Lastensegler "Gruppe"-----	Light freight glider "Gruppe"-----	Lt freight-carrying glider "Gruppe"

		mittlere Lastensegler "Gruppe"-----	Medium freight glider "Gruppe"--	Med freight-carrying glider "Gruppe"
		schwere Lastensegler "Gruppe"-----	Heavy freight glider "Gruppe"-----	Hy freight-carrying glider "Gruppe"
		leichter Lastensegler "Staffel"-----	Light freight glider "Staffel"-----	Lt freight-carrying glider "Staffel"
		mittlerer Lastensegler "Staffel"-----	Medium freight glider "Staffel"---	Med freight-carrying glider "Staffel"
		schwerer Lastensegler "Staffel"-----	Heavy freight glider "Staffel"-----	Hy freight-carrying glider "Staffel"

### c. Medical Services

	Sanitätskompanie der Fsch. Truppe	Medical company for parachute troops	Para medical coy
	Hauptverbandplatz der Fsch. Truppe	Clearing station for parachute troops	Para MDS
	L. L. Feldlazarett der Fsch. Truppe	Air-landing field hospital for parachute troops	Para air ldg fd hosp
	Verwundetennest der Fsch. Truppe	First-aid station for parachute troops	Para first-aid sta



**Current**



**German**

Truppenverbandplatz der Fsch. Truppe

**U. S.**

Regimental aid station for parachute troops

**British**

Para RAP



Wagenhalteplatz der Fsch. Truppe

Ambulance loading station for parachute troops

Para car pt



Leichtverwundetensammelplatz der Fsch. Truppe

Collecting station for slightly wounded for parachute troops

Para collecting point for minor cases



Krankensammelstelle der Fsch. Truppe

Collecting point for sick for parachute troops

Para collecting sta for casualties



Krankenrevier der Fsch. Truppe

Infirmary for parachute troops

Para sick bay












Sanitätszweigpark der Fsch. Truppe

Branch medical supply park for parachute troops

Para branch medical sup pk

## Section III. Air Force Services

### 1. SUPPLY

Current	German	U. S.	British
	Nachschubkolonnenabteilungsstab	Hq of a supply column battalion	HQ sup coln bn
	Nachschubkompanie	Supply company	Sup coy
	Zug einer Nachschubkompanie	Platoon of a supply company	Pl of a sup coy
	Fahrkolonne	Horse-drawn transport column	HT coln
	Einsatzhafen-Ausrüstungskolonne	Operational airfield equipment column	Operational airfd eqpt coln
	kleine Flugbetriebsstoffkolonne (25 cbm)	Light aircraft fuel column (25 cubic meters)	Lt aircraft fuel coln (25 cubic metres)
	mittlere Flugbetriebsstoffkolonne (35 cbm)	Medium aircraft fuel column (35 cubic meters)	Med aircraft fuel coln (35 cubic metres)
	Traktorenzug	Prime mover platoon	Tractor pl
	Kraftwagenwerkstattzug	Motor vehicle repair-shop platoon	MT repair-shop pl

**Current****German****U. S.****British**

Munitionszug mit Abwurfmunition... Ammunition train (bombs)----- Amn train (bombs)



Munitionszug mit Flakmunition.... Ammunition train (antiaircraft... Amn train (AA amn)  
ammunition)



Flugbetriebsstoffzug (leer)..... Aircraft fuel train (empty)..... Aircraft fuel train (empty)



Flugbetriebsstoffzug (voll)..... Aircraft fuel train (full)..... Aircraft fuel train (full)



Eisenbahnkesselwagen..... Railway tank car..... Rly tank wagon



Tankleichter..... Tank lighter..... Tank lighter



Luftzeugamt..... Air Force equipment office..... GAF eqpt depot



Luftzeugamt (See)..... Air Force equipment office (sea)--- GAF eqpt depot (sea)



Luftnachrichten-Zeugamt..... Air Force signal equipment office.. GAF sigs eqpt depot



Luftpark..... Air Force equipment park..... GAF eqpt pk



Luftpark (See)----- Air Force equipment park (sea)--- GAF eqpt pk (sea)



Flakpark----- Antiaircraft equipment park----- AA eqpt pk



Lufthauptmunitionsanstalt----- Air Force main ammunition depot.. Main GAF amn depot



Luftmunitionsanstalt----- Air Force ammunition depot----- GAF amn depot



Luftmunitionsanstalt (See)----- Air Force ammunition depot (sea) - GAF amn depot (sea)



Luftmunitionsanstalt (Bergwerk)--- Air Force ammunition depot GAF amn depot (underground)  
(underground)



Grossraumtanklager----- Bulk storage fuel depot----- Bulk storage fuel tank store













Lufttanklager----- Air Force fuel depot----- Aircraft fuel depot




Lufttanklager (See)----- Air Force fuel depot (sea)----- Aircraft fuel depot (sea)



Wirtschaftstanklager----- Commercial fuel depot----- Commercial fuel tank depot









<b>Current</b>	<b>German</b>	<b>U. S.</b>	<b>British</b>
	Geräteausgabe und Sammelstelle....	Equipment issuing and collecting station	Eqpt issuing and collecting sta
	bewegliche Geräteausgabestelle (Eisenbahn)	Mobile equipment issuing station (railway)	Mobile eqpt issuing sta (rly)
	bewegliche Geräteausgabestelle (mot.)	Mobile equipment issuing station (motorized)	Mobile eqpt issuing sta (mech)
	Munitionsausgabestelle.....	Ammunition distributing station..	Amn issuing sta
	Flugbetriebsstoff-Ausgabestelle....	Aircraft fuel distributing station...	Aircraft fuel issuing sta
	Transportechef.....	Chief of transportation.....	Chief of tn
	bevollmächtigter Transportoffizier beim A.O.K.	Officer in charge of transportation at Hq of an army	Responsible tn offr at HQ army
	Bahnhofsoffizier.....	Railway station officer.....	RTO
	Sammelbahnhof.....	Railway collecting station.....	Rly collecting sta
	Weiterleitungsstelle.....	Forwarding station.....	Forwarding sta

 Hilfsweiterleitungsstelle..... Auxiliary forwarding station..... Auxiliary forwarding sta

 Verteilerbahnhof..... Distribution railway station..... Distribution rly sta

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## 2. MEDICAL

	Stab einer Luftgau-Sanitätsabteilung	Hq of a "Luftgau" medical battalion	HQ "Luftgau" medical unit
	Sanitätsbereitschaft (mot).....	Motorized medical detachment.....	Medical det (mech)
	Luftwaffen-Sanitätskompanie (mot).....	Motorized Air Force medical company	GAF medical coy (mech)
	Lazarett der Luftwaffe.....	Air Force hospital.....	GAF hosp
	Fliegeruntersuchungsstelle.....	Flying-personnel medical examination station	Pilot medical exam sta
	Verwundetennest.....	First-aid station.....	First-aid post
	Feldverbandplatz.....	Field dressing station.....	Fd dressing sta
	Wagenhalteplatz.....	Ambulance loading station.....	Car pt

**Current****German**

Hauptverbandplatz der Luftwaffe...

**U. S.**

Air Force clearing station.....

**British**

GAF MDS



Leichtverwundetensammelplatz.....

Collecting point for slightly wounded

Collecting pt for minor cases



Krankensammelstelle.....

Collecting point for sick.....

Collecting pt for sick



Krankenrevier der Luftwaffe.....

Air Force infirmary.....

GAF sick bay



Luftwaffen-Sanitäts-Zweigpark.....

Branch medical equipment park of the Air Force

GAF branch medical eqpt pk



Seenotflugkommando.....

Air-sea rescue detachment.....









Air-sea rescue det

## C. SPECIAL SYMBOLS FOR SITUATION MAPS

The following color scheme is applicable when situation maps are executed in colors:









Own reconnaissance activities.....	Green
Own combat activities (including own defense activities).....	Blue
Enemy combat activities.....	Red

### Section I. Operational and Tactical Boundaries

Current	German	U. S.	British
	Grenze eines Luftflottenkommandos.....	“Luftflotte” boundary.....	“Luftflotte” bdy
	Grenze eines Luftgaves.....	“Luftgau” boundary.....	“Luftgau” bdy
	Grenze eines Fliegerkorps bzw. Fl. Division.....	“Fliegerkorps” or “Fliegerdivision” boundary.....	“Fliegerkorps” or “Fliegerdivision” bdy
	Grenze eines Flughafenbereiches.....	Airfield area command boundary.....	Airfd regional comd bdy
	Grenze eines Geschwaders usw.....	Boundary of a “Geschwader” or equivalent unit.....	Bdy “Geschwader” or equivalent unit
	Grenze einer Gruppe usw.....	Boundary of a “Gruppe” or equivalent unit.....	Bdy “Gruppe” or equivalent unit
	Grenze einer Staffel usw.....	Boundary of a “Staffel” or equivalent unit.....	Bdy “Staffel” of equivalent unit
	Aufklärungsgrenze.....	Limit of reconnaissance.....	Limit of recee



## Section II. Reconnaissance Activities

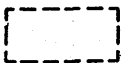
Current	German	U. S.	British
	Start	Take-off	Take-off
	Flugweg	Course followed by aircraft	Course followed by aircraft
	Augenerkundung	Visual reconnaissance	Visual recce
	Bildaufklärung	Photographic reconnaissance sector	Ph R
	Aufklärungsraum	Reconnaissance sector	Recce sector
	Kolonne	Column	Coln
	mot. Kolonne	Motorized column	Coln (mech)
	Eisenbahnzug fahrend	Railway train in motion	Rly train in motion



drei stehende Eisenbahnzüge----- 3 stationary railway trains----- 3 stationary rly trains



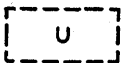
200 Eisenbahnwaggons----- 200 railway cars----- 200 rly wagons



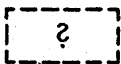
Truppensammlung bzw. Ortsbelegung Truops concentrated or quartered in an area Trps concentrated or quartered in an area



starke Truppensammlung bzw. starke Ortsbelegung Strong concentration of troops or strongly manned area Strong tp conc or strongly manned area



keine Truppenbelegung----- No troop concentration----- No tp conc



Belegung nicht erkannt----- No troop concentration observed-- No tp conc observed



keine Flugplatzbelegung erkannt---- Occupation of airfield not observed Occupation of airfd not observed







Flugplatz belegt----- Airfield occupied----- Airfd occupied



Flugplatz stark belegt (über 20 Flugzeuge erkannt) Airfield occupied in force (over 20 aircraft observed) Airfd occupied in force (over 20 aircraft observed)

If an airfield is occupied primarily by one type of aircraft, the supplementary symbol for that particular type of aircraft is added to that of the occupied airfield. **EXAMPLES:**

<b>Current</b>	<b>Old</b>	<b>German</b>	<b>U. S.</b>	<b>British</b>
		Flugplatz belegt, überwiegend Kampfflugzeuge	Airfield occupied mainly by bombers	Airfd occupied mainly by bombers
		Flugplatz stark belegt, überwiegend Jagdflugzeuge	Airfield strongly occupied, mainly by fighter aircraft	Airfd strongly occupied, mainly by fighter aircraft
15(10-5-0)		erkannte Flugplatzbelegung: 10 einmotorige 5 zweimotorige 0 mehrmotorige Flugzeuge	Observed occupation of airfield: 10 single-engine 5 twin-engine 0 multi-engine aircraft	Observed occupation of airfd: 10 single-engine 5 twin-engine 0 multi-engine aircraft

When the supplementary symbols denoting the types of aircraft are used in combination with the above special symbols, they may be executed in the following colors:



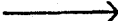






Reconnaissance aircraft.....	Blue
Bombers (including dive bombers and ground-attack aircraft).....	Red
Single- and twin-engine fighter aircraft.....	Green

These colors may also be employed in conjunction with other tactical symbols for aircraft.

### Section III. Combat Activities

Current	German	U. S.	British
----->	Start einzelner Flugzeuge oder eines Verbandes	Take-off point of single aircraft or of a formation	Take-off pt of single aircraft or fmn
—————>	Flugweg	Course followed by aircraft	Course followed by aircraft
.....>.....	Flugweg feindlicher Flugzeuge nach Geräuschmeldungen	Course of enemy aircraft plotted by sound	Course of enemy aircraft plotted by sound
--->---	Flugweg feindlicher Flugzeuge nach Sichtmeldungen	Course of enemy aircraft plotted by sight	Course of enemy aircraft plotted by sight
- - -> - - -	Flugweg feindlicher Flugzeuge nach roten Flugmeldungen	Course of enemy aircraft plotted by red flight reports	Course of enemy aircraft plotted by red flight reports
H —> ⊗ Ziel	Hochangriff (keine Richtungsangabe, da häufig nicht festzustellen) <sup>1</sup>	High-level attack (no direction indicated, as frequently not ascertainable)	High-level attack (no direction indicated, as frequently not ascertainable)
7 —> ⊗ Ziel	Tiefangriff <sup>1</sup>	Low-level attack	Low-level attack
G —> ⊗ Ziel	gemischter Angriff (hoch und tief) <sup>1</sup>	Mixed attack (high and low level)	Mixed attack (high and low level)
↘ ⊗ Ziel	Gleitangriff <sup>1</sup>	Glider attack	Glider attack

<sup>1</sup> The point of the arrow is laid on the target.

Current	German	U. S.	British
	Sturzangriff <sup>1</sup> -----	Dive-bomber attack-----	Dive-bomber attack
 Ziel			
	Angriff eines Verbandes bis zu 10 Flugzeugen	Attack by a formation of up to 10 aircraft	Attack by a fmn of up to 10 aircraft
	Angriff eines Verbandes bis zu 20 Flugzeugen	Attack by a formation of up to 20 aircraft	Attack by a fmn of up to 20 aircraft
	Angriff eines Verbandes bis zu 30 Flugzeugen	Attack by a formation of up to 30 aircraft	Attack by a fmn of up to 30 aircraft
$H \frac{2/16 \frac{1}{2}}{16^{30}}$  Ziel	Hochangriff einer Kampfstaffel mit Uhrzeit <sup>1</sup>	High-level attack of a bomber "Staffel" (with time)	High-level attack of a bomber "Staffel" (with time)
$9/3-6-0/06^{30}$  Ziel	Angriff eines gemischten feindlichen Verbandes mit Uhrzeit: <sup>1</sup> 3 einmotorige 6 zweimotorige 0 mehrmotorige Flugzeuge	Attack by a mixed enemy formation (with time): 3 single-engine 6 twin-engine 0 multi-engine aircraft	Attack by a mixed enemy fmn (with time): 3 single-engine 6 twin-engine 0 multi-engine aircraft
$15^{30}$ 	Fallschirmangriff mit Uhrzeit-----	Parachute attack (with time)-----	Para attack (with time)
FL	Flugblattabwurf-----	Dropping of leaflets-----	Dropping of leaflets
X-Stadt  Bxf	Bahnhof beschädigt (mit Ortsangabe bzw. Zielnummer)	Railway station damaged (with indication of locality or target number)	Rly sta damaged (with indication of locality or target number)










Muna starkbeschädigt oder zerstört (mit Zielnummer)    Ammunition depot severely damaged or destroyed (with target number)    Amn depot severely damaged or destroyed (with target number)

Bombenabwurf (20 Bomben)----- Bombs dropped (20 bombs)----- Bombs dropped (20 bombs)

---

<sup>1</sup>The point of the arrow is laid on the target.

## Section IV. Defense Activities

Current	Old	German	U. S.	British
		Beschuss durch leichte Abwehrwaffen	Receiving fire from light defensive weapons	Fired on by lt def weapons
		Beschuss durch schwere Abwehrwaffen	Receiving fire from heavy defensive weapons	Fired on by hy def weapons
		Scheinwerfertätigkeit	Searchlight activity	SL activity
		Luftkampf (8 feindliche, 6 deutsche Flugzeuge)	Aerial combat (8 enemy, 6 German aircraft) (right half of symbol, <i>blue</i> ; left half of symbol, <i>red</i> )	Aerial combat (8 enemy, 6 German aircraft) (right half of symbol, <i>blue</i> ; left half of symbol, <i>red</i> )
		2 Flugzeuge in Luftkampf abgeschossen	2 aircraft shot down in air combat (enemy aircraft, <i>red</i> symbol; own fighter, <i>blue</i> arrows <sup>1</sup> )	2 aircraft shot down in air combat (enemy aircraft, <i>red</i> symbol; own fighter, <i>blue</i> arrow <sup>1</sup> )
		1 Flugzeug durch Flak abgeschossen	1 aircraft shot down by anti-aircraft (enemy aircraft, <i>red</i> symbol; own anti-aircraft, <i>blue</i> arrow <sup>1</sup> )	1 aircraft shot down by AA (enemy aircraft, <i>red</i> symbol; own AA <i>blue</i> arrow <sup>1</sup> )



Flugzeug zur Notlandung gezwungen

Aircraft forced to emergency landing (enemy aircraft, *red* symbol; forced to land through own action, *blue* letters; enemy aircraft forced to land for reasons unknown, *red* symbol with *red* letters<sup>1</sup>)

Aircraft forced to make emergency landing (enemy aircraft, *red* symbol; forced to make landing through own action, *blue* script; enemy aircraft forced to make landing for reasons unknown, *red* symbol with *red* script<sup>1</sup>)



Flugzeug aus unbekanntem Gründen abgestürzt

Aircraft crashed for reasons unknown (own plane, *blue* symbol with *blue* stroke<sup>1</sup>)






Aircraft crashed for reasons unknown (own plane, *blue* symbol with *blue* diagonal stroke<sup>1</sup>)

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








<sup>1</sup> Color scheme reversed in accordance with the explanation at the beginning of C, p. 295, above.














## Section V. Suspected Enemy Aerial Attack Bases (To Be Shown in Red)

Current	Old	German	U. S.	British
		vermutete Operationsbasis eines grösseren geschlossenen Verbandes.	Suspected base of operations of a large, self-contained formation	Suspected base of ops of large, self-contained fmn
		in D-Hausen festgestellter Gefechtsstand eines Stabes der Fliegertruppe ab Regimentsstab aufwärts	Identified command post of an Air Force staff (regiment or higher) located at point "X" ( <u>D-Hausen</u> ) (locality underlined in red)	Identified HQ GAF fmn (regt and higher) in <u>D-Hausen</u> (locality to be underlined in red)
		vermuteter Gefechtsstand eines Fliegerdivisionsstabes in Z-Stadt	Suspected command post of a "Fliegerdivision" staff at point "X" ( <u>Z-Stadt</u> ) (locality underlined in red)	Suspected HQ "Fliegerdivision" in <u>Z-Stadt</u> (locality to be underlined in red)
100 (10-70-20)		100 Flugzeuge festgestellt: 10 einmotorige 70 zweimotorige 20 mehrmotorige	100 aircraft identified: 10 single-engine 70 twin-engine 20 multi-engine	100 aircraft identified: 10 single-engine 70 twin-engine 20 multi-engine
100 (0-100-0)		100 zweimotorige Flugzeuge festgestellt	100 twin-engine aircraft identified	100 twin-engine aircraft identified
100 (30?-20?-50)		100 Flugzeuge festgestellt, davon einwandfrei 50 drei- und mehrmotorige	100 aircraft identified, 50 positively as three- or multi-engine	100 aircraft identified, 50 positively as three- or multi-engine

## Section VI. Suspected Enemy Air Defense Bases (for Small-scale Maps)

Current	Old	German	U. S.	British
		Schwerpunkte der Luftverteidigung mit Stärkenangabe	Concentrations of air defense with indication of strength (outline to conform to geographical shape of concentration)	Areas of main effort in air def with indication of strength (outline to conform to geographical shape)
		feindliche Jäger am Einsatzort.....	Enemy fighters at base of operations (number of aircraft may be shown in supplementary numerals; locality underlined in red)	Enemy fighters at action sta (number of aircraft may be shown in supplementary figures; locality to be underlined in red)
		festgestellter Gefechtsstand von Stäben Luftverteidigung ab Regts-Stab aufwärts	Identified command post of air defense staffs (regiment or higher) (locality underlined in red)	Identified air def HQ (regt and higher) (locality to be underlined in red)
		Nachtjagdgebiet.....	Night-fighter area (letter in red, outline in green)	Night-fighter patrol area (letter in red, outline in green)
		vermutetes Nachtjagdgebiet.....	Suspected night-fighter area (letter in red, outline in green)	Suspected night-fighter patrol area (letter in red, outline in green)
		Flak- bzw. Flak-Scheinwerferstellung	Antiaircraft artillery or searchlight position	AA arty or AA SL posn
		vermutete Flak- bzw. Flak-Scheinwerferstellung	Suspected antiaircraft artillery or searchlight position	Suspected AA arty or AA SL posn
		Flakbeschuss bzw. Flak-Scheinwerfereinsatzraum	Antiaircraft fire or searchlight area	AA target area or AA SL op area

## Section VII. Miscellaneous

Current	Old	German	U. S.	British
		Flugmeldung-----	Aircraft reporting-----	Aircraft report
		Geräuschmeldung mit erkannter Richtung	Report of sound detection with direction ascertained (arrow points in direction of course of sound)	Report of sound detection with direction ascertained (arrow points in direction of course of sound)
		Geräuschmeldung ohne erkannte Richtung	Report of sound detection with direction not ascertained	Report of sound detection with direction not ascertained
		leichte Flakstellung-----	Light antiaircraft artillery position.	LAA arty posn
		schwere Flakstellung-----	Heavy antiaircraft artillery position.	HAA arty posn
		Sperren (Ballon oder Drachen)-----	Barrages (balloon or kite)-----	Barrages (balloon or kite)
		Fesselballon-----	Captive balloon-----	Captive balloon
		Flakartillerie auf dem Marsch-----	Antiaircraft artillery in column of AA arty in coln of route march	
		Munitionslager-----	Ammunition dump-----	Amn depot

B. St.

Betriebsstofflager ..... Fuel dump ..... Fuel depot



Kaserne ..... Barracks ..... Barracks



Strassenstreckenziel ..... Stretch of road selected for target... Stretch of road selected for target



Strassenbrücke, Art unbekannt ..... Road bridge, type unknown ..... Rd br, type unknown



Strassenbrücke aus Holz ..... Wooden road bridge ..... Wooden rd br



Strassenbrücke aus Stein oder Beton... Stone or concrete road bridge..... Stone or concrete rd br



Strassenbrücke aus Stahl ..... Steel road bridge ..... Steel rd br



Eisenbahnstreckenziel ..... Stretch of railway selected for tar- Stretch of rly selected for target  
get



























Eisenbahnbrücke, Art unbekannt... Railway bridge, type unknown.... Rly br, type unknown



Eisenbahnbrücke aus Holz ..... Wooden railway bridge ..... Wooden rly br

Current	German	U. S.	British
	Eisenbahnbrücke aus Stahl.....	Steel railway bridge.....	Steel rly br
	Eisenbahnbrücke aus Stein oder Beton	Stone or concrete railway bridge...	Stone or concrete rly br
	Eisenbahnknotenpunkt.....	Railway junction.....	Rly junc
	Bahnhof und Bahnhofsanlagen der Eisenbahn	Railway station and railway station installations	Rly sta and rly sta installations
	Tunnel.....	Tunnel.....	Tunnel
	Kunstabauten an Wasserstrassen.....	Artificial structures on waterways...	Artificial structures on waterways
	Staudamm.....	Dam.....	Dam
	Werke für Flugzeugzellen-Herstellung	Aircraft frame manufacturing plant	Aircraft frame manufacturing plant
	Werke für Zellenzubehör-Herstellung	Aircraft frame accessories manufacturing plant	Aircraft frame accessories manufacturing plant
	Werke für Flugmotoren-Herstellung	Aircraft engine manufacturing plant	Aircraft engine manufacturing plant

	Werke für Motoren-Zubehör-Herstellung	Aircraft engine accessories manufacturing plant	Aircraft engine accessories manufacturing plant
	Werke für Zellen u. Motorenherstellung	Aircraft frame and engine manufacturing plant	Aircraft frame and engine manufacturing plant
	Werke für Bordwaffen-Herstellung	Aircraft weapons manufacturing plant	Aircraft armament manufacturing plant
	Waffenfabrik.....	Arsenal, munitions factory.....	Armament factory
	Werke für Fahrzeug-einschl. Kampfwagen-Herstellung	Vehicle manufacturing plant, including combat vehicles	Manufacturing plant for vehs, incl AFVs
	Munitionsfabrik.....	Ammunition plant.....	Amn plant
	Hochöfen, Walzwerke, Stahlwerke u. Maschinenfabriken	Blast furnaces, rolling mills, steel mills, and machine plants	Blast furnaces, rolling mills, steel mills and machine plants
	Betriebsstoff-Erzeugung, Veredlung, Grosstankanlagen	Gasoline production, refining, and bulk fuel storage plants	Fuel production, refining and bulk fuel storage plants
	Pulver- u. Sprengstofffabrik.....	Powder and explosives factory.....	Powder and explosives plant
	Chemische u. Kampfgasfabrik.....	Chemical and war gas factory.....	Chemical and war gas plant

Current	German	U. S.	British
	Kokereien.....	Coke plants.....	Coke plants
	feinmechanische und optische Werke.	Precision mechanics and optical plants	Precision and optical plants
	Gasschutzgerätefabrik.....	Gas defense equipment factory....	Gas def eqpt plant
	Friedenswerfft.....	Peacetime dry dock.....	Peacetime dock yd
	Friedenshafenanlage.....	Peacetime port installations.....	Peacetime port installations
	Kriegswerften.....	Military dry docks.....	Mil dock yds
	Kriegshafenanlage.....	Military port installation.....	Mil port installations
	Ballon-, Luftschiff-, Fallschirmfabrik.	Balloon, lighter-than-air craft, and parachute manufacturing plant	Balloon, airship and parachute manufacturing plant
	elektr. Werk.....	Electric power plant.....	Electric power plant
	Gaswerk.....	Gas works.....	Gas works
	sonstige Fabrikanlagen.....	Other factory installations.....	Other manufacturing plants
	Festungen.....	Fortifications.....	Fortifications
	befestigte Brückenköpfe.....	Fortified bridgeheads.....	Fortified bridgeheads
	befestigte Räume.....	Fortified areas.....	Fortified areas

✦	kleinere Befestigungen.....	Minor fortifications.....	Minor fortifications
/ ~~~~~	ständige Stellungen in feldmässiger Stärke	Existing positions suitable for mili- tary use	Static posn in fd strength
✦	Grossgruppe.....	Large concentration of defensive installations	Large conc of def installations
✦	Hauptwerk.....	Principal defensive installation....	Main def works
✕	Werk.....	Defensive installation.....	Def works
■	Zwischenwerk.....	Supporting defensive installation..	Intermediate def work
●	Blockhaus, Unterstand, beton. Beob. Stand	Pillbox, dugout, concrete observa- tion post	Pillbox, dugout, concrete OP
◻	veraltete Werke.....	Obsolete defensive installations....	Obsolete def works
M	Küstenbatterie unbekannter Art....	Coastal battery of unknown type..	Coastal bty of unknown type



## D. ABBREVIATIONS OF GERMAN AIR FORCE TERMS

German			
Abbreviation	Meaning	U. S.	British
Abst. Tr. ....	Abstecktrupp .....	Marking-out detachment .....	Marking-out det
A. Pl. ....	Ausweichplatz .....	Alternate airfield .....	Alternative airfd
Aufkl. Sch. ....	Aufklärungsfliegerschule .....	School for reconnaissance pilots .....	School for recce pilots
Aufkl. Gr. ....	Aufklärungsgruppe .....	Reconnaissance "Gruppe" .....	Recce "Gruppe"
Aufkl. Staff. ....	Aufklärungstaffel .....	Reconnaissance "Staffel" .....	Recce "Staffel"
Ausb. ....	Ausbildung .....	Training .....	Trg
Awewa. ....	Armeewetterwarte .....	Weather station of an army .....	Weather sta of an army
Battr. Bef. St. ....	Batteriebefehlsstelle .....	Battery command post .....	Tp comd post
Bild. Sch. ....	Bildschule .....	School for photography .....	School for ph
Bordfl. Gr. ....	Bordfliegergruppe .....	Ship-based "Gruppe" .....	Ship-based "Gruppe"
Bordfl. Staff. ....	Bordfliegerstaffel .....	Ship-based "Staffel" .....	Ship-based "Staffel"
Chi. St. ....	Chiffrierstelle .....	Cryptographic station .....	Encoding and decoding sta
E. Ausr. Kol. ....	Einsatzhafen-Ausrüstungskolonne	Operational airport equipment column	Op airfd eqpt coln
E.-Hfn. I. ....	Einsatzhafen I. Ordnung .....	Operational airport, 1st class .....	Operational airfd 1st class
E.-Hfn. II. ....	Einsatzhafen II. Ordnung .....	Operational airport, 2d class .....	Operational airfd 2nd class
E.-Hfn. S. I. ....	Einsatzhafen See, I. Ordnung .....	Operational airport, 1st class (sea) .....	Operational airfd 1st class (sea)
F. A. S. I. ....	Flakartillerieschule I (schwere Flak)	Antiaircraft artillery school I (heavy antiaircraft artillery)	AA arty school I (HAA arty)
F. A. S. II. ....	Flakartillerieschule II (leichte Flak)	Antiaircraft artillery school II (light antiaircraft artillery)	AA arty school II (LAA arty)
F. A. S. III. ....	Flakartillerieschule III (elektrische Ortung)	Antiaircraft artillery school III (electric range finding)	AA arty school III (electric range finding)

F. A. S. IV.....	Flakartillerieschule IV (optische Ortung)	Antiaircraft artillery school IV (visual range-finding)	AA arty school IV (visual range-finding)
F. d. Luft (Ost).....	Führer der See-Luftstreitkräfte (Ost)	Commander of the sea-air fighting forces (East)	Comd sea-air fighting forces (East)
Fe. Fl. Pl. ....	Feldflugplatz.....	Emergency landing ground.....	Satellite ldg ground
Fe. Fl. Pl. (vorb.) ..	vorbereiteter Feldflugplatz.....	Prepared emergency landing ground..	Prepared satellite ldg ground
F. F. Sch. ....	Flugzeugführerschule.....	School for pilots.....	School for pilots
F. F. Sch. Bld. ....	Blindflugschule.....	School for blind flying.....	School for blind flying
F. Kol. L. ....	Fahrkolonne der Luftwaffe.....	Air Force horse-drawn transport column	GAF HT coln
Flakart. Kdr. ....	Flakartillerie-Kommandeur.....	Antiaircraft commander.....	AA arty comd
Flak Brig. ....	Flakbrigade.....	Antiaircraft artillery brigade.....	AA arty bde
Fl. Betr. A. St. ....	Flugbetriebsstoff-Ausgabestelle.....	Aircraft fuel distribution station.....	Aircraft fuel issuing sta
Fl. Div. ....	Fliegerdivision.....	"Fliegerdivision".....	"Fliegerdivision"
Fl. H. ....	Fliegerhorst.....	Air base.....	Air base
Flhfn. (ziv.) ..	ziviler Flughafen.....	Civilian airport.....	Civilian airfd
Fl. H. L. u. S. ....	Fliegerhorst Land u. See.....	Air base for land and sea aircraft.....	Air base for land and sea aircraft
Fl. H. S. ....	Fliegerhorst See.....	Seaplane base.....	Air base for seaplanes
Fl. Kps. Wewa. ....	Fliegerkorps-Wetterwarte.....	Weather station of a "Fliegerkorps".....	Weather sta of a "Fliegerkorps"
Fls. Hpt. St. ....	Flugsicherungshauptstelle.....	Main flight control station.....	Main air safety control sta
Fls. Neb. St. ....	Flugsicherungsnebenstelle.....	Branch flight control station.....	Air safety control branch sta
Fls. Tr. ....	Flugsicherungstrupp.....	Flight control detachment.....	Air safety control det
Fluha.-B.-Komp, (K) oder (Z)	Flughafenbetriebskompanie einer Kampf- oder Zerstörer-Gruppe	Airport operational company of a bomber or twin-engine fighter "Gruppe"	Airfd servicing coy bomber or twin-engine fighter "Gruppe"
Fluko.....	Flugwachkommando.....	Aircraft guard detachment.....	Observer corps comd post
Flum. Abt. ....	Flugmeldeabteilung.....	Aircraft reporting battalion.....	Aircraft reporting unit
Flum. Tr. ....	Flugmeldetrupp.....	Aircraft reporting detachment.....	Aircraft reporting det
Fl. U. St. ....	Fliegeruntersuchungsstelle.....	Flying-personnel medical examination station	GAF personnel examination sta
Fl. W. Sch. ....	Flieger-Waffenschule.....	Weapons school for flying personnel..	GAF weapons school
Fluwa. ....	Flugwache.....	Aircraft guard.....	Observer corps post
F. P. ....	Flakpark.....	Antiaircraft artillery equipment park..	AA arty eqpt pk
Fsch. J. Brig. ....	Fallschirmjägerbrigade.....	Parachute infantry brigade.....	Para bde

German

Abbreviation	Meaning	U. S.	British
Fsch. J. Div. -----	Fallschirmjägerdivision-----	Parachute infantry division-----	Para div
Fschr. W. T. Tr. ----	Fernschreib-Wechselstromtelegraphietrupp	Alternating-current telegraphy detachment	AC tele det
Fspr. Anschl. Tr. ----	Fernsprechanschlusstrupp-----	Telephone linking detachment-----	Phone linking det
Fspr. Fschr. Betr. Kp. --	Fernsprech- und Fernschreib-Betriebskompanie	Telephone and teletype operating company	Phone and teleprint op coy
Fspr. Verm. Tr. ----	Fernsprechvermittlungstrupp----	Telephone exchange detachment-----	Phone exchange det
Fu. Empf. Tr. -----	Funkempfangstrupp-----	Radio reception detachment-----	WT intercept det
Fu. Feu. Tr. -----	Funkfeuertrupp-----	Radio beacon detachment-----	WT beacon det
Fu. S. St. -----	Funksendestelle-----	Radio transmitting station-----	WT transmitting sta
Fu. S. Z. -----	Funksendezentrale-----	Radio transmitting center-----	WT transmitting centre
Fu. Tr. (Kzw/Lgw)---	Funktrupp (Kurz- und Langwelle)	Radio detachment (short and long wave)	WT det (short and long wave)
Fw. Sch. -----	Feuerwerkerschule-----	School for artificers-----	School for artificers
Gef. Pl. -----	Gefechtslandeplatz-----	Advanced landing ground-----	ALG.
Gen. Kdo. Flak Kps. --	Generalkommando eines Flakkorps	Hq of an antiaircraft artillery corps--	HQ AA arty corps
Gen. Kdo. Fl. Kps. --	Generalkommando eines Fliegerkorps	Hq of a "Fliegerkorps"-----	HQ "Fliegerkorps"
G. R. T. L. -----	Grossraumtanklager-----	Bulk storage fuel depot-----	Bulk fuel tank depot
Hi. We. St. -----	Hilfweiterleitungsstelle-----	Auxiliary forwarding station-----	Auxiliary forwarding sta
H. L. S. -----	Höhere Luftwaffenschule-----	Advanced Air Force school-----	Adv GAF school
Ho. Fu. Empf. Tr. ----	Horch-Funkempfangstrupp-----	Radio interception detachment-----	WT intercept det
Ho. Fu. P. Tr. -----	Horch-Funkpeiltrupp-----	Radio bearing interception detachment	WT bearing intercept det
Höh. Fl. Ausb. Kdr. --	Höherer Flieger-Ausbildungskommandeur	Senior flying-personnel training commander	Senior GAF trg comd
Höh. Kdr. d. F. A. S. --	Höherer Kommandeur der Flakartillerieschulen	Senior commander of the antiaircraft artillery school	Senior comd AA arty schools

Hpt. Verb. Pl. L. ....	Hauptverbandplatz der Luftwaffe	Clearing station of the Air Force	GAF MDS
J. Fl. F. ....	Jagdfliegerführer	Leader of fighter aircraft	Leader of fighter aircraft
J. Gr. ....	Jagdgruppe	Fighter "Gruppe"	Fighter "Gruppe"
J. Sch. ....	Jagdfliegerschule	School for fighter pilots	School for fighter pilots
J. Staff. ....	Jagdstaffel	Fighter "Staffel"	Fighter "Staffel"
Kdo. L. V. Geb. ....	Kommando eines Luftverteidigungsgebietes	Hq of an air defense territory	HQ air def zone
K. Fl. Gr. ....	Küstenfliegergruppe	Coastal "Gruppe"	Coastal aircraft "Gruppe"
K. Fl. Staff. ....	Küstenfliegerstaffel	Coastal "Staffel"	Coastal aircraft "Staffel"
K Fl. Staff. Zer. ....	Küstenfliegerstaffel mit Zerstörer-Flugzeugen	Coastal "Staffel" of twin-engine fighters	Coastal "Staffel" of twin-engine fighters
K. Fl. Sch. ....	Kampffliegerschule	School for bomber pilots	School for bomber pilots
K. G. ....	Kampfgeschwader	Bomber "Geschwader"	Bomber "Geschwader"
K. Gr. ....	Kampfgruppe	Bomber "Gruppe"	Bomber "Gruppe"
kl. Fl. Betrst. Kol. (25)	kleine Betriebsstoffkolonne (25 cbm)	Light aircraft fuel column (25 cubic meters)	Lt aircraft fuel coln (25 cubic metres)
Kr. Rev. L. ....	Krankenrevier der Luftwaffe	Air Force infirmary	GAF sick bay
Kr. Sam. Pl. ....	Krankensammelplatz	Collecting point for sick	Collecting pt for sick
K. Staff. ....	Kampfstaffel	Bomber "Staffel"	Bomber "Staffel"
Kur. Staff. ....	Kurierstaffel	Special communication "Staffel"	Special comn "Staffel"
Kw. Werkst. Zg. L. ...	Kraftwagenwerkstattzug der Luftwaffe	Motor vehicle repair-shop platoon of the Air Force	GAF MT wksp pl
Lde. Fu. Feu. Tr. (U. K. W.)	Landefunkfeuertrupp (Ultra-kurzwelle)	Landing radio-beacon detachment (ultra-short wave)	Ldg WT beacon det (ultra-short wave)
L. Di. Verb. ....	Luftdienstverband	Air service unit for target towing	Air service fmn for target-towing flights
LDV.....	Luftdurchgangsvermittlung	Air Force signal relay exchange	GAF sigs relay exchange
Leu.Feu. Tr. ....	Leuchfeuertrupp	Visual beacon detachment	Visual beacon det
LEV.....	Luftendvermittlung	Air Force signal terminal exchange	GAF sigs terminal exchange
L.Fl.Kdo. ....	Luftflottenkommando	Hq of a "Luftflotte"	HQ "Luftflotte"
L.G. ....	Luftgau	"Luftgau"	"Luftgau"
L.H. ....	Leithorst	Controlling air base	Controlling air base
L.Hmuna. ....	Lufthauptmunitionsanstalt	Air Force main ammunition depot	GAF main amn depot

**German**

<b>Abbreviation</b>	<b>Meaning</b>	<b>U. S.</b>	<b>British</b>
L.K.A. -----	Luftkriegsakademie -----	Air Force academy -----	Aerial warfare academy
L.K.S. -----	Luftkriegsschule -----	Air Force school -----	Aerial warfare school
L.L.Div. -----	Luftlandedivision -----	Air-landing division -----	Air-ldg div
L.M.S. -----	Luftmeldesammelstelle -----	Air Force message center -----	GAF report collecting sta
L.Muna. -----	Luftmunitionsanstalt -----	Air Force ammunition depot -----	GAF amn depot
L.Muna.(Bergw.) -----	Luftmunitionsanstalt (Bergwerk) -----	Air Force ammunition depot (underground)	GAF amn depot (underground)
L.Muna.(S) -----	Luftmunitionsanstalt (See) -----	Air Force ammunition depot (sea) -----	GAF amn depot (sea)
Ln.Flum.Z. -----	Luftnachrichten-Flugmeldezentrale -----	Air Force signal aircraft reporting center	GAF sigs aircraft reporting centre
LN.Ger.Kol. -----	Luftnachrichten-Gerätekolonne -----	Air Force signal equipment column -----	GAF sigs eqpt coln
Ln.Ho.Betr.St. -----	Luftnachrichten-Horch-Betriebsstelle -----	Air Force signal interception operating station	GAF sigs intercept servicing sta
Ln.Ho.Leit.St. -----	Luftnachrichten-Horch-Leitstelle -----	Air Force signal interception control station	GAF sigs intercept control sta
Ln. Rgt. -----	Luftnachrichtenregiment -----	Air Force signal regiment -----	GAF sigs regt
Ln. Sch. -----	Luftnachrichtenschule -----	Air Force signal school -----	GAF sigs school
Ln. Stelle E. -----	Luftnachrichtenstelle eines Einsatzhafens -----	Air Force signal station of an operational airport	GAF sigs post of an operational airfield
Ln. Z. A. -----	Luftnachrichten-Zeugamt -----	Air Force signal equipment depot -----	GAF sigs eqpt depot
L. P. -----	Luftpark -----	Air equipment park -----	GAF eqpt pk
L. P. (S) -----	Luftpark (See) -----	Air equipment park (sea) -----	GAF eqpt pk (sea)
L. Pl. (v) -----	vorgeschobener Landeplatz -----	Advanced landing ground -----	ALG
L. Sp. Abt. -----	Luftsperrabteilung -----	Barrage balloon battalion -----	Balloon barrage bty
L. T. L. -----	Lufttanklager -----	Air Force fuel dump -----	GAF fuel depot
L.V. -----	Luftvermittlung -----	Air Force signal exchange -----	GAF sigs exchange
Lverw. Sam. Pl. -----	Leichtverwundetensammelplatz -----	Collecting point for slightly wounded	Collecting point for minor cases
Lv. Nachr. Abt. -----	Luftverteidigungs-Nachrichtenabteilung -----	Air defense signal battalion -----	Air def sigs unit

LVV.....	Luftverteilervermittlung.....	Air Force signal distribution exchange	GAF sigs distribution exchange
L. V. Z. ....	Luftverteidigungszone.....	Air defense zone.....	Air def zone
Lw. Bau. Gzg. ....	Luftwaffenbaugerätezug.....	Air Force construction equipment platoon	GAF constr eqpt pl
Lw. Laz. ....	Lazarett der Luftwaffe.....	Air Force hospital.....	GAF hosp
Lw. Lehr. Div. ....	Luftwaffen-Lehrdivision.....	Air Force demonstration division....	GAF demonstration div
Lw. San. Zw. P. ....	Luftwaffen-Sanitätszweigpark....	Branch medical equipment park of the Air Force	GAF branch medical pk
L. Z. A. ....	Luftzeugamt.....	Air equipment depot.....	GAF eqpt depot
Lzg.....	Luftzeuggruppe.....	Air equipment group.....	GAF eqpt gp
M. A. St. ....	Munitionsausgabestelle.....	Ammunition distributing station....	Amn distribution sta
m. Fl. Betr. Kol. (35) ..	mittlere Flugbetriebsstoffkolonne (35 cbm)	Medium aircraft-fuel column (35 cubic meters)	Med aircraft-fuel coln (35 cubic metres)
M. Zug. A. ....	Munitionszug mit Abwurfmunition	Ammunition train (bombs).....	Amn train (bombs)
M. Zug. F. ....	Munitionszug mit Flakmunition..	Ammunition train (antiaircraft artillery ammunition)	Amn train (AA arty amn)
Nachsch. Komp. L. ..	Nachschubkompanie der Luftwaffe	Air Force supply company.....	GAF sup coy
Nav. Fu. P. Tr. ....	Navigations-Funkpeiltrupp.....	Navigation radio beam-detachment..	Navigational WT beam det
Nav. Sch. ....	Navigationschule.....	Navigation school.....	School for navigation
N. Zg. Flak.....	Nachrichtenzug der Flakartillerie	Signal platoon of the antiaircraft artillery	Sig pl AA arty
Ra. So. Stat. ....	Radiosondestation.....	Radio meteorograph <sup>1</sup> station.....	"Radiosonde" sta
R. d. L. u. Ob. d. L. ..	Reichsminister der Luftfahrt und Oberbefehlshaber der Luftwaffe	Minister for Aviation and Commander in Chief of the Air Force	Air Minister and C-in-C GAF
Richtverb. Tr. ....	Richtverbindingstrupp.....	Directional beam signal transmission detachment	Directional beam sig transmission det
Sais. Rfd. ....	Saisonrollfeld.....	Seasonal landing ground.....	Seasonal ldg ground
San. Ber. ....	Sanitätsbereitschaft.....	Medical detachment.....	Medical det

<sup>1</sup> Weather-forecasting equipment carried aloft in an unmanned balloon.

German

Abbreviation	Meaning	U. S.	British
San. Flber.	Sanitätsflugbereitschaft	Airborne medical detachment	Medical flying det
S. Bhf.	Sammelbahnhof	Railway collecting station	Rly collecting sta
Schhfn	Scheinflughafen	Dummy airfield	Dummy airfd
Schw	Scheinwerfer	Searchlight	SL
S. Gr.	Schlachtgruppe	Ground-attack "Gruppe"	Ground-attack "Gruppe"
Sn. Flugkdo.	Seenotflugkommando	Air-sea rescue detachment	Air-sea rescue det
S. Staff.	Schlachtstaffel	Ground-attack "Staffel"	Ground-attack "Staffel"
St. (Stb.)	Stab	Staff, Hq	Staff, HQ
St. Aufkl. Gr. (F) (Ob. d. L.)	Stab einer Aufklärungsgruppe (F) des Oberbefehlshabers der Luftwaffe	Hq of a long-range reconnaissance "Gruppe" of the Commander in Chief of the Air Force	HQ long-range recee "Gruppe" of the C-in-C GAF
St. K. Fl. Gr. (F) Ld.	Stab einer Küstenfliegergruppe (F) mit Landflugzeugen	Hq of a long-range coastal "Gruppe" with land-based aircraft	HQ long-range coastal "Gruppe" with land-based aircraft
St. K. Fl. Gr. (F) See.	Stab einer Küstenfliegergruppe (F) mit Seeflugzeugen	Hq of a coastal "Gruppe" with long-range seaplanes	HQ coastal "Gruppe" with long-range seaplanes
St. K. Fl. Gr. (M) Ld.	Stab einer Küstenfliegergruppe (M) mit Kampfflugzeugen (Ld)	Hq of coastal "Gruppe" (Navy) with land-based bombers	HQ coastal "Gruppe" (Navy) with land-based bombers
St. K. Fl. Gr. (M) See.	Stab einer Küstenfliegergruppe (M) mit Kampfflugzeugen (See)	Hq of a coastal "Gruppe" (Navy) with bombers (sea)	HQ coastal "Gruppe" with bombers (sea)
St. K. Fl. Gr. Zer.	Stab einer Küstenfliegergruppe mit Zerstörerflugzeugen	Hq of a coastal "Gruppe" of twin-engine fighters	HQ coastal "Gruppe" with twin-engine fighters
T. Leuchter	Tankleuchter	Tank lighter	Tank lighter
To. Fu. Tr.	Tornisterfunktrupp	Portable radio detachment	Pack WT det
Tp. Chef	Transporte Chef	Chief of transportation	Chief of tn
Trg Gr.	Trägergruppe	Carrier-based "Gruppe"	Carrier-based "Gruppe"
Trg. J. Staff.	Trägerjagdstaffel	Carrier-based single-engine fighter "Staffel"	Carrier-based single-engine "Staffel"

Trg. Mz. Staff. ....	Trägermehrzweckestaffel .....	Carrier-based multipurpose "Staffel"	Carrier-based multi-purpose "Staffel"
Trg. Stuka. Staff. ....	Trägersturzkampfstaffel .....	Carrier-based dive-bomber "Staffel"	Carrier-based dive-bomber "Staffel"
Tr. Zg. L. ....	Traktorenzug der Luftwaffe .....	Prime mover platoon of the Air Force	GAF tractor pl
Verst. Tr. ....	Verstärkertrupp .....	Amplifier detachment .....	Amplifier det
Vert. Bhf. ....	Verteiler-Bahnhof .....	Distribution railway station .....	Distribution rly sta
Verw. N. ....	Verwundetennest .....	First-aid station .....	Medical first-aid post
Wbz. ....	Wetterbezirkszentrale .....	Meteorological district center .....	Met dist centre
Wbz. m. Ra. So. Sta. (fest)	Wetterbezirkszentrale mit fester Radiosondestation	Meteorological district center with fixed radio meteorograph <sup>1</sup> station	Met dist centre with fixed "Radiosonde"
Wbz. m. Ra. So. Sta. (fest) u. Wefl.	Wetterbezirkszentrale mit fester Radiosondestation und Wetterflugstelle	Meteorological district center with fixed radio meteorograph <sup>1</sup> and weather reporting station	Met dist centre with fixed "Radiosonde" and weather flight sta
Wbz. m. Wefl. ....	Wetterbezirkszentrale mit Wetterflugstelle	Meteorological district center with weather reporting station	Met district centre with weather flight sta
Wekusta .....	Wettererkundungsstaffel .....	Meteorological reconnaissance "Staffel"	Met recce "Staffel"
We. St. ....	Weiterleitungsstelle .....	Forwarding station .....	Forwarding sta
Wewa .....	Wetterwarte .....	Weather station .....	Weather sta
Wg. H. Pl. ....	Wagenhalteplatz .....	Ambulance loading station .....	Car pt
Whn .....	Wetterhilfsnebenstelle .....	Auxiliary meteorological substation .....	Auxiliary met sub sta
W. Mstr. Sch. ....	Waffenmeisterschule .....	School for armorers .....	School for armourers
Wn .....	Wetternebenstelle .....	Meteorological substation .....	Met sub sta
Wst .....	Wetterberatungsstelle .....	Meteorological information station .....	Met reporting sta
W. T. L. ....	Wirtschaftstanklager .....	Commercial fuel depot .....	Commercial fuel tank depot
Wz. ....	Wetterberatungszentrale .....	Meteorological information center .....	Met reporting centre
Zg. Bef. St. ....	Zugbefehlstelle .....	Platoon command post .....	Pl comd post
Z. Gr. ....	Zerstörergruppe .....	Twin-engine fighter "Gruppe"	Twin-engine fighter "Gruppe"
Z. Staff. ....	Zerstörerstaffel .....	Twin-engine fighter "Staffel"	Twin-engine fighter "Staffel"

<sup>1</sup> Weather-forecasting equipment carried aloft in an unmanned balloon.



## MEMORANDA

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# **PART 3**

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**NAVY**

## A. COMMANDERS AND COMMANDS

Current	German	U. S.	British
	Oberbefehlshaber der Kriegsmarine..	Commander in Chief of the Navy..	C-in-C Navy
	Flottenchef, selbstständiger fehlshaber	Seebe- Commander in Chief of the fleet, task force commander	C-in-C fleet
	Befehlshaber der Schlachtschiffe....	Commander of battleship divisions..	F.O. (battleships)
	Befehlshaber der Kreuzer (B.d.K.)..	Commander of cruiser squadrons..	F.O. (cruisers)
	Befehlshaber der U-Boote (B.d.U.)..	Commander of submarine squad- rons	F.O. (U-boats)
	Führer der Zerstörer (F.d.Z.).....	Commander of destroyer squadrons..	Captain (D)
	Führer der Torpedoboote (F.d.T.)...-	Commander of torpedo boat squad- rons	S.O. (torpedo boats)



Führer der Minensuchboote (F.d.M.) Commander of minesweeper squad- S.O. (M.S. flotillas)  
rons



Divisionschef einer Zerstörerdivision bzw. eines Verbandes von Flottillenführern, Flottillenchef, Führer einer Hilfskreuzergruppe Commander of a destroyer division or of a formation of flotilla leaders, commander of a flotilla, commander of a group of auxiliary cruisers S.O. of a DR division or formation of flotilla leaders, S.O. of a raider group



Gruppenführer von kleinen Fahrzeugen, Halbflottillenchef, Führer eines Verbandes von Hilfsschiffen usw. Commander of a group of small vessels, commander of a half-flotilla, commander of a formation of auxiliary vessels, etc. S.O. of a group of small vessels, S.O. of a half-flotilla, S.O. of a fm of auxiliary vessels, etc.











Festungskommandant, Festungskommandantur Fortress commandant, fortress commandant Fortress commandant, fortress command























Standortsältester, Standortskommando Garrison commandant, garrison command S.O. on the station



## B. SHIPS AND FORMATIONS

Current	German	U. S.	British
	Zerstörer, Flottillenführer-----	Destroyer, flotilla leader-----	DR, flotilla leader
	leichter Kreuzer-----	Light cruiser-----	Lt cruiser
	schwerer Kreuzer-----	Heavy cruiser-----	Hy cruiser
	Grosskampfschiff, Schlachtschiff-----	Battleship-----	Battleship
	Flugzeugträger-----	Aircraft carrier-----	Aircraft carrier
	Flugzeugmutterschiff-----	Seaplane tender-----	Seaplane tender
	Minenleger (unter 2,000 t)-----	Mine layer (under 2,000 tons)-----	Minelayer (under 2,000 tons)
	Minenschiff (über 2,000 t)-----	Mine layer (over 2,000 tons)-----	Minelayer (over 2,000 tons)

	kleiner Hilfskreuzer (unter 10,000 t) --	Small armed merchant cruiser (under 10,000 tons)	Small AMC (under 10,000 tons)
	grosser Hilfskreuzer (über 10,000 t) --	Large armed merchant cruiser (over 10,000 tons)	Large AMC or raider (over 10,000 tons)
	Grosskampfschiff mit Flottenchef an Bord	Battleship flying flag of the Commander in Chief of the fleet	Battleship flying flag of C-in-C fleet
	Kreuzer mit B.d.K. an Bord.....	Cruiser flying flag of the Commander in Chief of cruisers	Cruiser flying flag of F.O. cruisers
	Zerstörer mit Divisionschef an Bord...	Destroyer flying flag of division commander	DR flying flag of S.O. of a division commander
	Gros.....	Battle fleet.....	Main force
	Teilgros.....	Part of main battle fleet.....	Part of main force
	Boot.....	Boat.....	Boat
	Rotte.....	Subdivision (2 or 3 ships).....	Subdivision (2 or 3 ships)
	Torpedoboot.....	Torpedo boat.....	Torpedo boat

Current	German	U. S.	British
	Schnellbootsdoppelrotte aus 3 Booten	PT boat double subdivision of 3 boats each	E-boat double subdivision of 3 boats each
	Minensuchboot	Minesweeper	Minesweeper
	Räumbootsdoppelrotte	Motor minesweeper double subdivision	R-boat double subdivision
	Unterseeboot	Submarine	U-boat
	Minen-U-Boot	Mine-laying submarine	Mine-laying U-boat
	Vorpostenbootsrotte	Patrol craft subdivision	Patrol vessel subdivision
	1. Flottille von Torpedobooten, bestehend aus 4 Booten	1st Torpedo Boat Flotilla, consisting of 4 boats	1st torpedo-boat flotilla, consisting of 4 boats
	1. Schnellbootsflottille, bestehend aus 10 Booten	1st PT Boat Flotilla, consisting of 10 boats	1st E-boat flotilla, consisting of 10 boats
	3. Minensuchflottille, bestehend aus 6 Booten	3rd Minesweeper Flotilla, consisting of 6 boats	3rd minesweeper flotilla, consisting of 6 boats
	1. Räumbootsflottille, bestehend aus 7 Booten	1st Motor Minesweeper Flotilla, consisting of 7 boats	1st R-boat flotilla, consisting of 7 boats

1.  U.

1. Unterseebootsflottille, bestehend aus 6 Booten

1st Submarine Flotilla, consisting of 6 boats

1st U-boat flotilla, consisting of 6 boats

B2.  Vp.

B-Gruppe der 2. Vorpostenflottille, bestehend aus 4 Booten

Section B of the 2nd Patrol Craft Flotilla, consisting of 4 boats

Section B of the 2nd patrol vessel flotilla, consisting of 4 boats

  
B

Blockschiff.....

Block ship (for blocking channels, etc.)

Block ship (for blocking channels, etc.)

  
H

Handelsschiff.....

Merchant vessel.....

Merchant vessel

  
K

Kohlenschiff.....

Collier.....

Collier

  
L

Lazarettenschiff.....

Hospital ship.....

Hospital ship

  
S

Sperrbrecher.....

Mine-destroyer vessel.....

Mine-destroyer vessel

  
01

Tankschiff.....

Tanker.....

Tanker

  
T

Transportschiff.....

Troop transport.....

Tp tpt

  
U.M.

U-Bootsmutterschiff.....

Submarine tender.....

U-boat depot ship

**Current**



**German**

Schnellbootsmutterschiff -----

**U. S.**

PT boat tender -----

**British**

E-boat depot ship



Räumbootsmutterschiff -----

Motor minesweeper tender -----

R-boat depot ship



Werkstattschiff -----

Repair ship -----

Repair ship



Minenprahm -----

Mine barge -----

Mine lighter



IV. Sperrbrechergruppe, bestehend  
aus 4 Schiffen

4th Mine Destructor Vessel Group,  
consisting of 4 ships

4th mine destructor vessel group,  
consisting of 4 ships



Geleitzug, bestehend aus 10 Schiffen..

Convoy, consisting of 10 ships-----

Convoy, consisting of 10 ships



Truppentransport, bestehend aus 4  
Schiffen

Troop transport, consisting of 4  
ships

Tp tpt, consisting of 4 ships



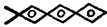




Tross, bestehend aus 7 Schiffen-----

Supply group, consisting of 7 ships..




Sup gp, consisting of 7 ships

## C. DEFENSES

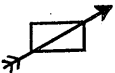


Current	German	U. S.	British
○○○	Minen.....	Mines.....	Mines
	Minensperre.....	Mine field.....	Minefd
	minenverseuchtes Gebiet.....	Mined area.....	Mined area
××××	Netzsperr.....	Antisubmarine net.....	Net barrage
	Netzsperr mit Minen.....	Mined antisubmarine net.....	Mined net barrage
	Horchsperr.....	Hydrophone screen.....	Hydrophone barrage
- - - -	Balkensperr.....	Boom defenses.....	Boom defs
	Depot für Sperrwaffen.....	Net and boom defense depot.....	Mining and barrage sup depot

# D. COAST ARTILLERY

## Section I. Sea Target Batteries




Current	German	U. S.	British
	schwere Küstenbatterie (Flachfeuer)	Heavy coastal battery (flat trajectory fire)	Hy coastal bty (flat trajectory fire)
	schwere Küstenbatterie (Steilfeuer)	Heavy coastal battery (high-angle fire)	Hy coastal bty (high-angle fire)
	mittlere Küstenbatterie und 10,5 cm Küstenbatterie	Medium coastal battery and 105-mm coastal battery	Med coastal bty and 10.5-cm coastal bty

## Section II. Antiaircraft Batteries (Troops)

Current	German	U. S.	British
	10,5 cm Flakbatterie.....	105-mm antiaircraft battery.....	10.5-cm AA tp
	8,8 cm Flakbatterie.....	88-mm antiaircraft battery.....	8.8-cm AA tp
	3,7 cm Flakzug.....	37-mm antiaircraft section.....	3.7-cm AA pl

The number of guns is indicated by placing Arabic numerals to the *left* of the tactical symbol, whereas the calibers of sea target batteries (troops) are denoted by placing Arabic numerals to the *right* of the tactical symbol.

**EXAMPLES:**

	28 cm Seezielbatterie zu 3 Geschüt- zen)	280-mm low-angle battery of 3 guns (sea target)	28-cm low-angle tp of 3 guns (sea target)
	M.G. C 30.....	Machine gun C 30.....	MG C 30
	M.G. 08.....	Machine gun 08.....	MG 08



**Current**



H



**German**

vorbereitete Wechselstellung (Pfeil  
je nach Geschützart)

Horchgerät.....

Scheinwerfer mit Horchgerät.....

**U. S.**

Prepared alternate position (arrow  
indicating type of gun)

Sound-detection equipment.....

Searchlight with sound-detection  
equipment






**British**

Prepared alternative posn (arrow  
indicating type of gun)









Sound-detection eqpt

SL with sound-detection eqpt

### Section III. Combat Posts (Headquarters)

Current	German	U. S.	British
	Festungskommandant	Fortress command	Fortress comd
	Inselkommandant	Island command	Island comd
	Ortskommandant und Abschnittskommandeur	Garrison commander and sector commander	Town major and sector comd
	Flagruppe, Flagruppenkommandeur	Antiaircraft "Gruppe," commander of an antiaircraft "Gruppe"	AA "Gruppe", comd AA "Gruppe"
	Flauntergruppe, Flauntergruppenkommandeur	Antiaircraft "Untergruppe," antiaircraft "Untergruppe" commander	AA "Untergruppe", comd AA "Untergruppe"

## Section IV. Battery (Troop) Posts

Current	German	U. S.	British
	Hauptleitstand oder Reserveleitstand	Main control station or reserve control station	Main director sta or res director sta
	Peilstand	Direction finding station	Direction finding sta
	Rechenstand	Plotting station	Plotting sta
	Beobachtungsstand	Observation post, lookout (afloat)	OP, lookout (afloat)
	Nachtleitstand	Night control station	Night director sta
	Munitionsraum	Ammunition magazine	Amn magazine
	Depot für Artilleriewaffen	Ordnance depot	Ord depot
	Wettertrupp	Meteorological detachment	Met det



Nebeltrupp..... Chemical warfare (smoke) detach- Smoke det  
ment



Scheinwerfer..... Searchlight..... SL



Scheinwerferzug mit 2 Scheinwerfern.. Searchlight platoon with 2 search- SL pl with 2 SL  
lights

## Section V. Naval Artillery Battalions (Batteries)

Current	German	U. S.	British
	V. Marineartillerieabteilung M. A. A.)	(V. 5th Naval Artillery Battalion-----	5th naval arty bty
	1. (Artillerie) Kompanie M. A. A.	III. 1st (Artillery) Company, 3rd Naval Artillery Battalion	1st (arty) coy, 3rd naval arty bty
	Ein (Scheinwerfer) Zug 3. Kompanie II. M. A. A.	One (searchlight) platoon, 3rd Company, 2nd Naval Artillery Battalion	One (SL) sec, 3rd tp, 2nd naval arty bty

# E. MISCELLANEOUS

Current

German

U. S.

British



Gefecht..... Engagement..... Engagement



ausser Gefecht gesetzt..... Put out of action..... Put out of action



Gesunken..... Sunk..... Sunk

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